

Index for WEAPONS AND TRACKED COMBAT VEHICLES

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| 29 | MACHINE GUN, 5.56MM (SAW) | G12900 | 35632100.01P | 226 |
| 30 | GRENADE LAUNCHER, AUTO, 40MM, MK19-3 | G13400 | 36106100.01P | 231 |
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Index for WEAPONS AND TRACKED COMBAT VEHICLES

| Blin | Nomenclature | SSN | Filename | Page Number |
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| 13 | BFVS SERIES (MOD) | GZ2400 | 31678141.01P | 90 |
| 14 | HOWITZER, MED SP FT 155MM M109A6 (MOD) | GA0400 | 32072157.01P | 110 |
| 15 | FAASV PIP TO FLEET | GA8010 | 33638157.01P | 116 |
| 16 | IMPROVED RECOVERY VEHICLE (M88 MOD) | GA0570 | 33700101.01P | 122 |
| 17 | BREACHER SYSTEM (MOD) | GZ3200 | 34500101.01P | 128 |
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| 22 | M1A1D RETROFIT | GA0720 | 36430141.01P | 184 |
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DEPARTMENT OF THE ARMY
2001 PROCUREMENT PROGRAM

EXHIBIT P-1
February 2000

Appropriation: **WEAPONS & TRACKED COMBAT VEHICLES**

Activity: 1. **TRACKED COMBAT VEHICLES**

| LINE NO. | ITEM NOMENCLATURE | ID | (DOLS) FY 00 UNIT COST | FY 99 | | | FY 00 | | | FY 01 | | |
|-------------|---|-----|---------------------------------|-------|----------------|-----|-------|----------------|-----|-------|----------------|------|
| | | | | QTY | COST | (7) | QTY | COST | (9) | QTY | COST | (12) |
| (1) | (2) | (3) | (4) | (7) | (8) | | (9) | (10) | | (11) | | |
| | **TRACKED COMBAT VEHICLES** | | | | | | | | | | | |
| 1 | ABRAMS TRNG DEV MOD (GA5208) | | | | 8,464 | | | 2,628 | | | 5,331 | |
| 2 | BRADLEY BASE SUSTAINMENT (G80718) | B | | | 361,638 | | | 379,945 | | | 359,389 | |
| | | | | | 361,638 | | | 379,945 | | | 359,389 | |
| 3 | BRADLEY BASE SUSTAINMENT (G80718) ADVANCE PROCUREMENT (CY) | | | | | | | | | | 20,006 | |
| 4 | BRADLEY FVS TRAINING DEVICES (G20900) | A | | | 12,157 | | | 23,338 | | | 12,098 | |
| 5 | HAB TRAINING DEVICES (G84600) | | | | 383 | | | 14,844 | | | | |
| 6 | BRADLEY FVS TRAINING DEVICES (MOD) (GZ2500) | A | | | 2,522 | | | 4,315 | | | 14,038 | |
| 7 | ABRAMS TANK TRAINING DEVICES (GB1300) | A | | | 13,298 | | | 8,050 | | | 10,504 | |
| 8 | MEDIUM ARMORED VEHICLE FAMILY (G85100) | A | | | | | | | | | 537,077 | |
| 9 | COMMAND & CONTROL VEHICLE (G84200) | | B | 10 | 47,712 | | | 61,442 | | | | |
| | | | | | | | | | | | | |
| | SUB-ACTIVITY TOTAL | | | | 446,174 | | | 494,562 | | | 958,443 | |

DEPARTMENT OF THE ARMY
2001 PROCUREMENT PROGRAM

EXHIBIT P-1
February 2000

Appropriation: **WEAPONS & TRACKED COMBAT VEHICLES**

Activity: 1. **TRACKED COMBAT VEHICLES**

| LINE NO. | ITEM NOMENCLATURE | ID | (DOLS) FY 00 UNIT COST | FY 99 | | | FY 00 | | | FY 01 | | |
|----------|---|-----|---------------------------------|-------|----------|--|-------|----------|--|-------|------|----------|
| | | | | QTY | COST | | QTY | COST | | QTY | COST | |
| | | | | (7) | (8) | | (9) | (10) | | (11) | (12) | |
| (1) | (2) | (3) | (4) | | | | | | | | | |
| | **MODIFICATION OF TRACKED COMBAT VEHICLES** | | | | | | | | | | | |
| 10 | CARRIER, MOD (GB1930) | A | | | 54,998 | | | 62,810 | | | | 45,111 |
| 11 | FIST VEHICLE (MOD) (GZ2300) | | | | 24,513 | | | 27,115 | | | | 31,898 |
| 12 | BFVS SERIES (MOD) (GZ2400) | A | | | 73,965 | | | 31,284 | | | | 37,142 |
| 13 | HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400) | A | | | 11,244 | | | 26,824 | | | | 8,060 |
| 14 | FAASV PIP TO FLEET (GA8010) | A | | | 3,131 | | | 229 | | | | 5 |
| 15 | IMPROVED RECOVERY VEHICLE (M88 MOD) (GA0570) | A | | | 53,588 | | | | | | | 68,385 |
| 16 | BREACHER SYSTEM MOD (GZ3200) | | | | | | | 19,513 | | | | |
| 17 | HEAVY ASSAULT BRIDGE (HAB) SYS (MOD) (GZ3250) | | | | 49,978 | | | 81,901 | | | | |
| 18 | ARMORED VEH LAUNCH BRIDGE (AVLB) (MOD) (GZ3000) | A | | | 960 | | | 1,437 | | | | 1,692 |
| 19 | AVLB SLEP (GZ3050) | A | | | | | | | | | | 15,252 |
| 20 | M1 ABRAMS TANK (MOD)(GA0700) | A | | | 25,997 | | | 31,645 | | | | 36,098 |
| 21 | MIAID RETROFTT (GA07 20) | | | | | | | | | | 16 | 891 |
| 22 | SYSTEM ENHANCEMENT PGM: SEP M1A2 (GA0730) | | | | | | | | | | | 36,149 |
| 23 | ABRAMS UPGRADE PROGRAM (G0750) LESS ADVANCED PROCUREMENT (PY) | | | | 688,209 | | | 680,394 | | | | 551,828 |
| | | | | | -259,891 | | | -260,738 | | | | -213,406 |
| | | | | | 428,318 | | | 419,656 | | | | 338,422 |

DEPARTMENT OF THE ARMY
2001 PROCUREMENT PROGRAM

EXHIBIT P-1
February 2000

Appropriation: **WEAPONS & TRACKED COMBAT VEHICLES**

Activity: 1. **TRACKED COMBAT VEHICLES**

| LINE NO. | ITEM NOMENCLATURE | ID | (DOLS) FY 00 UNIT COST | FY 99 | | | FY 00 | | | FY 01 | | |
|-------------|---|-----|---------------------------------|-------|-----------|--|-------|-----------|--|-------|-----------|--|
| | | | | QTY | COST | | QTY | COST | | QTY | COST | |
| | | | | (7) | (8) | | (9) | (10) | | (11) | (12) | |
| (1) | (2) | (3) | (4) | | | | | | | | | |
| 24 | ABRAMS UPGRADE PROGRSM (GA0750) Adv Procurement | | | | 260,738 | | | 213,406 | | | 174,445 | |
| 25 | MODIFICATIONS LESS THAN \$5.0M (TCV-WTCV) (GA0925) | | | | | | | 191 | | | | |
| | SUB-ACTIVITY TOTAL | | | | 987,430 | | | 916,011 | | | 793,550 | |
| | **SUPPORT EQUIPMENT AND FACILITIES** | | | | | | | | | | | |
| 26 | ITEMS LESS THAN \$5.0M (TCV-WTCV) (GL3100) | | | | 89 | | | 137 | | | 135 | |
| 27 | PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050) | | | | 9,670 | | | 8,852 | | | 9,250 | |
| | SUB-ACTIVITY TOTAL | | | | 9,759 | | | 8,989 | | | 9,385 | |
| | ACTIVITY TOTAL | | | | 1,443,363 | | | 1,419,562 | | | 1,761,378 | |

DEPARTMENT OF THE ARMY
2001 PROCUREMENT PROGRAM

EXHIBIT P-1
February 2000

Appropriation: **WEAPONS & TRACKED COMBAT VEHICLES**

Activity: 2. **WEAPONS AND OTHER COMBAT VEHICLES**

| LINE NO. | ITEM NOMENCLATURE | ID | (DOLS) FY 00 UNIT COST | FY 99 | | | FY 00 | | | FY 01 | | |
|---|---|-----|---------------------------------|--------|---------------|-----|--------|---------------|------|--------|---------------|------|
| | | | | QTY | COST | (7) | QTY | COST | (8) | QTY | COST | (9) |
| (1) | (2) | (3) | (4) | (7) | (8) | (7) | (9) | (10) | (11) | (12) | (12) | (12) |
| **WEAPONS AND OTHER COMBAT VEHICLES** | | | | | | | | | | | | |
| 28 | ARMOR MACHINE GUN, 7.62MM M240 SERIES (G13000) | A | | 1,198 | 11,399 | | 4,297 | 38,364 | | 1,196 | 12,449 | |
| 29 | MACHINE GUN, 5.56MM (SAW) (G12900) | A | | 1,525 | 5,665 | | 3,698 | 9,903 | | | | |
| 30 | GRENADE LAUNCHER, AUTO, 40MM, MK19-3 (G13400) | A | | 697 | 15,064 | | 1,389 | 22,883 | | 581 | 11,835 | |
| 31 | M16 RIFLE (G14900) | A | | 16,464 | 6,771 | | 12,479 | 5,719 | | 10,314 | 4,793 | |
| 32 | XM107, CAL. 50, SNIPER RIFLE (G01500) | | | | | | | 1,133 | | 230 | 3,085 | |
| 33 | 5.56 CARBINE M4 (G14904) | A | | 6,310 | 4,194 | | 8,687 | 5,286 | | 8,309 | 5,190 | |
| | SUB-ACTIVITY TOTAL | | | | 43,093 | | | 83,288 | | | 37,352 | |
| **MODIFICATION OF WEAPONS AND OTHER COMBAT VEH** | | | | | | | | | | | | |
| 34 | MARK-19 MODIFICATIONS (GB3000) | | | | | | | 1,971 | | | 1,813 | |
| 35 | M4 CARBINE MODS (GB3007) | A | | | 6,721 | | | 5,292 | | | 2,504 | |
| 36 | SQUAD AUTOMATIC WEAPON (MOD) (GZ1290) | | | | | | | 8,289 | | | 9,956 | |
| 37 | MEDIUM MACHINE GUNS (MODS)(GZ1300) | A | | | | | | | | | 495 | |
| 38 | HOWITZER, TOWED, 155MM, M198 (MODS) (GA0430) | | | | | | | 3,330 | | | 3,507 | |
| 39 | M119 MODIFICATIONS (GC0401) | A | | | 4,772 | | | 4,763 | | | 4,705 | |
| 40 | M16 RIFLE MODS (GZ2800) | A | | | 5,197 | | | 7,148 | | | 9,592 | |
| 41 | MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) (GC0925) | | | | 1,118 | | | 1,002 | | | 787 | |
| | SUB-ACTIVITY TOTAL | | | | 17,808 | | | 31,795 | | | 33,359 | |

DEPARTMENT OF THE ARMY
2001 PROCUREMENT PROGRAM

EXHIBIT P-1
February 2000

Appropriation: **WEAPONS & TRACKED COMBAT VEHICLES**

Activity: 2. **WEAPONS AND OTHER COMBAT VEHICLES**

| LINE NO. | ITEM NOMENCLATURE | ID | (DOLS) FY 00 UNIT COST | FY 99 | | | FY 00 | | | FY 01 | | |
|-------------|---|-----|---------------------------------|-------|--------|--|-------|---------|--|-------|--------|--|
| | | | | QTY | COST | | QTY | COST | | QTY | COST | |
| | | | | (7) | (8) | | (9) | (10) | | (11) | (12) | |
| (1) | (2) | (3) | (4) | | | | | | | | | |
| | **SUPPORT EQUIPMENT AND FACILITIES** | | | | | | | | | | | |
| 42 | ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200) | | | | 1,196 | | | 1,201 | | | 1,182 | |
| 43 | PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050) | | | | 5,140 | | | 4,546 | | | 5,152 | |
| 44 | INDUSTRIAL PREPAREDNESS (GC0075) | | | | 3,000 | | | 3,070 | | | 3,604 | |
| 45 | SMALL ARMS (SOLDIER ENH PROG) (GC0076) | | | | 2,365 | | | 5,133 | | | 3,506 | |
| | SUB-ACTIVITY TOTAL | | | | | | | | | | | |
| | | | | | 11,701 | | | 13,950 | | | 13,444 | |
| | ACTIVITY TOTAL | | | | 72,602 | | | 129,033 | | | 84,155 | |

DEPARTMENT OF THE ARMY
2001 PROCUREMENT PROGRAM

EXHIBIT P-1
February 2000

Appropriation: **WEAPONS & TRACKED COMBAT VEHICLES**

Activity: 3. **SPARES AND REPAIR PARTS**

| LINE NO. | ITEM NOMENCLATURE | ID | (DOLS) FY 00 UNIT COST | FY 99 | | | FY 00 | | | FY 01 | | |
|-------------|--|-----|---------------------------------|-------|-----------|--|-------|-----------|--|-------|-----------|--|
| | | | | QTY | COST | | QTY | COST | | QTY | COST | |
| | | | | (7) | (8) | | (9) | (10) | | (11) | (12) | |
| (1) | (2) | (3) | (4) | | | | | | | | | |
| 46 | **SPARES AND REPAIR PARTS** | | | | | | | | | | | |
| | SPARES AND REPAIR PARTS (WTCV) (GE0150) | | | | 20,075 | | | 22,738 | | | 29,105 | |
| | SUB-ACTIVITY TOTAL | | | | 20,075 | | | 22,738 | | | 29,105 | |
| | ACTIVITY TOTAL | | | | 20,075 | | | 22,738 | | | 29,105 | |
| | APPROPRIATION TOTAL | | | | 1,536,040 | | | 1,571,333 | | | 1,874,638 | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 | |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|--|---------------|--|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | P-1 Item Nomenclature: ABRAMS TRNG DEV MOD (GA5208) | | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | | |
| | | | | | | | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | | |
| Proc Qty | | | | | | | | | | | | | | |
| Gross Cost | 18.2 | 3.2 | 2.2 | 8.5 | 2.6 | 5.3 | 5.5 | 5.5 | 5.8 | 3.4 | | 60.1 | | |
| Less PY Adv Proc | | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | | |
| Net Proc (P-1) | 18.2 | 3.2 | 2.2 | 8.5 | 2.6 | 5.3 | 5.5 | 5.5 | 5.8 | 3.4 | | 60.1 | | |
| Initial Spares | | | | | | | | | | | | | | |
| Total Proc Cost | 18.2 | 3.2 | 2.2 | 8.5 | 2.6 | 5.3 | 5.5 | 5.5 | 5.8 | 3.4 | | 60.1 | | |
| Flyaway U/C | | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | | |

DESCRIPTION: Funding provided will accomplish modifications to Abrams Training Devices required as a result of changes to the Abrams tanks or tank training requirements. These changes are hardware and software modifications to existing equipment to keep simulators abreast of developments in the Abrams Tank System.

JUSTIFICATION: This program meets needs validated by the Abrams user community. Degradation of tank training will occur if these modifications are delayed or deleted. The Conduct of Fire Trainer (COFT) M60A3 to M1 Conversions are for the National Guard units. Annually, 3,016 tank gunner - commander combinations will use the modified COFT. The Conduct of Fire Trainer (COFT) M1 to M1A1, Optical Improvement (OIP) and Armament Enhancement Initiative (AEI) modifications are for units at FORSCOM, USAREUR, TRADOC, and the National Guard.

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | |
|--|----------------|---------|---------|------------------------------|---------|--------------------------------|---------------|---------|---------|-----|-------|
| Appropriation / Budget Activity/Serial No. | | | | P-1 Item Nomenclature | | | Date | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | ABRAMS TRNG DEV MOD (GA5208) | | | February 2000 | | | | |
| Program Elements for Code B Items | | | | Code | | Other Related Program Elements | | | | | |
| Description | | | | Fiscal Years | | | | | | | |
| OSIP NO. | Classification | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total |
| Conduct of Fire Trainer (COFT) Image Generator (IG) and Computer Rehost/Applique | | | | | | | | | | | |
| 1-97-05-4526 | Operational | 2.2 | 4.1 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 11.1 |
| AGTS/SEP Mod | | | | | | | | | | | |
| 1-97-05-4527 | Operational | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 2.9 | 3.5 | 2.0 | 0.0 | 10.1 |
| Tank Driver Trainer Mod (M1A2 SEP Upgrade) | | | | | | | | | | | |
| 1-97-05-4528 | Operational | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 |
| Close Combat Tactical Trainer (CCTT)/SEP Mod | | | | | | | | | | | |
| 1-97-05-4529 | Operational | 0.0 | 0.0 | 0.2 | 0.6 | 2.2 | 1.6 | 1.3 | 0.4 | 0.0 | 6.3 |
| Maintenance Training System (MTS) SEP Mod | | | | | | | | | | | |
| 1-97-05-4530 | Operational | 0.0 | 1.0 | 1.6 | 3.3 | 1.4 | 0.2 | 0.2 | 0.2 | 0.0 | 7.9 |
| Totals | | | | | | | | | | | |
| | | 2.2 | 8.5 | 2.6 | 5.3 | 5.5 | 5.5 | 5.8 | 3.4 | 0.0 | 38.8 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|---|---------|--------------|---------|--------------|---------|---|----------|------|---------------|-------|---------|--|---------|--|---------|--|---------|--|---------|--|---|---|---|---|---|---|---|---|----------|---|--------|---|--------|---|---|---|---|---|---|---|---|--------|---|---|---|--------|--|--|--|--|--|--|---------|---|--|--|--|--|---------|--|--|--|----|---|---|--|---|---|---|---|--|--|--|----|--|--|---|--|---|---|---|---|---|---|
| | | | | | | | | | | Date | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE: Conduct of Fire Trainer (COFT) Image Generator (IG) and Computer Rehost/Applique 1-97-05-4526 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 and M1A1 COFTs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>The Image Generator (IG) and computer subsystems that are presently being used in the COFTs are approaching obsolescence. It is becoming more difficult to obtain parts for these IGs since they are of the early 1980's design. Sustainability is becoming a major issue as repair and replacement parts are becoming more expensive or entirely not available on the commercial market. Likewise, the software designed to run on these components is also difficult to sustain. The goal is to obtain a replacement IG and computer that will provide for cheaper and easier software changes and more cost effective parts and maintenance. This will position the COFT fleet to support tank units and institutions beyond the year 2000.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | PLANNED | | ACCOMPLISHED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 4Q99 1Q01 | | 4Q99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contractor Test and Evaluation: Initial Operational Test and Evaluation: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="2">FY 1999</th> <th colspan="2">FY 2000</th> <th colspan="2">FY 2001</th> <th colspan="2">FY 2002</th> <th colspan="2">FY 2003</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Inputs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Outputs</td> <td></td> <td></td> <td></td> <td></td> <td>9</td> <td>5</td> <td></td> <td></td> <td>4</td> <td></td> <td>4</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td>9</td> <td>2</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> </tr> </tbody> </table> | | | | | | | | | | | | Pr Yr | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | | | | | | | | | | | | | Outputs | | | | | 9 | 5 | | | 4 | | 4 | | | | | | | 1 | | 9 | 2 | 3 | 2 | 2 | 2 |
| Pr Yr | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | 9 | 5 | | | 4 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 1 | | 9 | 2 | 3 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="2">FY 2004</th> <th colspan="2">FY 2005</th> <th colspan="2">FY 2006</th> <th colspan="2">FY 2007</th> <th colspan="2">Totals</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>Complete</th> <th></th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td></td> <td></td> </tr> <tr> <td>Inputs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Outputs</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>35</td> </tr> <tr> <td></td> <td></td> <td></td> <td>2</td> <td>2</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td>35</td> </tr> </tbody> </table> | | | | | | | | | | | | Pr Yr | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | Inputs | | | | | | | | | | | Outputs | 4 | | | | | | | | | 35 | | | | 2 | 2 | 2 | | | | | 35 | | | | | | | | | | |
| Pr Yr | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | 4 | | | | | | | | | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2 | 2 | 2 | | | | | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Contractor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 Mar 99 FY 2000 Mar 00 FY 2001 Mar 01 FY 2002 Mar 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 Sep 00 FY 2000 Sep 01 FY 2001 Sep 02 FY 2002 Sep 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | Date | | February 2000 | | | | | | | |
|----------------------------------|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|-----|----|-------|---|-----|---------------|--|-----|--|-----|--|------|--|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | Conduct of Fire Trainer (COFT) Image Generator (IG) and Computer Rehost/Applique 1-97-05-4526 | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1998 and Prior | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | | | | | | | | | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | | | | | | | | | |
| 1 | 0.1 | 9 | 1.6 | 5 | 0.8 | 4 | 0.8 | 4 | 0.8 | 4 | 0.8 | 4 | 0.8 | 4 | 0.8 | | | 35 | 6.5 | | | | | | | | |
| 2.1 | | | 2.5 | | | | | | | | | | | | | | | | 4.6 | | | | | | | | |
| RDT&E | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Procurement Cost | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.2 | | | | | | | | | | | | | | | | | | 4.1 | | 0.8 | | 0.8 | | 0.8 | | 11.1 | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | |
|---|---|---------|---|---------|---|---------|---|---------|---|--------------|---|---------|---|---------------|---|---------|---|
| | | | | | | | | | | | | | | Date | | | |
| | | | | | | | | | | | | | | February 2000 | | | |
| MODIFICATION TITLE: AGTS/SEP Mod 1-97-05-4527 | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1A2 Advanced Gunnery Training System | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>This funding will modify existing M1A2 Advanced Gunnery Training Simulators to represent the most recent SEP changes to the M1A2. It is cheaper to modify existing training devices than to procure new ones.</p> | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | |
| PLANNED | | | | | | | | | | ACCOMPLISHED | | | | | | | |
| Contractor Test and Evaluation: 3Q03 Initial Operational Test and Evaluation: 4Q03 | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | |
| | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | FY 2008 | | FY 2009 | | FY 2010 | | FY 2011 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2012 | | FY 2013 | | FY 2014 | | FY 2015 | | FY 2016 | | FY 2017 | | FY 2018 | | FY 2019 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2020 | | FY 2021 | | FY 2022 | | FY 2023 | | FY 2024 | | FY 2025 | | FY 2026 | | FY 2027 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2028 | | FY 2029 | | FY 2030 | | FY 2031 | | FY 2032 | | FY 2033 | | FY 2034 | | FY 2035 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2036 | | FY 2037 | | FY 2038 | | FY 2039 | | FY 2040 | | FY 2041 | | FY 2042 | | FY 2043 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2044 | | FY 2045 | | FY 2046 | | FY 2047 | | FY 2048 | | FY 2049 | | FY 2050 | | FY 2051 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2052 | | FY 2053 | | FY 2054 | | FY 2055 | | FY 2056 | | FY 2057 | | FY 2058 | | FY 2059 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2060 | | FY 2061 | | FY 2062 | | FY 2063 | | FY 2064 | | FY 2065 | | FY 2066 | | FY 2067 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2068 | | FY 2069 | | FY 2070 | | FY 2071 | | FY 2072 | | FY 2073 | | FY 2074 | | FY 2075 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2076 | | FY 2077 | | FY 2078 | | FY 2079 | | FY 2080 | | FY 2081 | | FY 2082 | | FY 2083 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2084 | | FY 2085 | | FY 2086 | | FY 2087 | | FY 2088 | | FY 2089 | | FY 2090 | | FY 2091 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2092 | | FY 2093 | | FY 2094 | | FY 2095 | | FY 2096 | | FY 2097 | | FY 2098 | | FY 2099 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2100 | | FY 2101 | | FY 2102 | | FY 2103 | | FY 2104 | | FY 2105 | | FY 2106 | | FY 2107 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2108 | | FY 2109 | | FY 2110 | | FY 2111 | | FY 2112 | | FY 2113 | | FY 2114 | | FY 2115 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2116 | | FY 2117 | | FY 2118 | | FY 2119 | | FY 2120 | | FY 2121 | | FY 2122 | | FY 2123 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2124 | | FY 2125 | | FY 2126 | | FY 2127 | | FY 2128 | | FY 2129 | | FY 2130 | | FY 2131 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2132 | | FY 2133 | | FY 2134 | | FY 2135 | | FY 2136 | | FY 2137 | | FY 2138 | | FY 2139 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2140 | | FY 2141 | | FY 2142 | | FY 2143 | | FY 2144 | | FY 2145 | | FY 2146 | | FY 2147 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2148 | | FY 2149 | | FY 2150 | | FY 2151 | | FY 2152 | | FY 2153 | | FY 2154 | | FY 2155 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2156 | | FY 2157 | | FY 2158 | | FY 2159 | | FY 2160 | | FY 2161 | | FY 2162 | | FY 2163 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2164 | | FY 2165 | | FY 2166 | | FY 2167 | | FY 2168 | | FY 2169 | | FY 2170 | | FY 2171 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2172 | | FY 2173 | | FY 2174 | | FY 2175 | | FY 2176 | | FY 2177 | | FY 2178 | | FY 2179 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2180 | | FY 2181 | | FY 2182 | | FY 2183 | | FY 2184 | | FY 2185 | | FY 2186 | | FY 2187 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2188 | | FY 2189 | | FY 2190 | | FY 2191 | | FY 2192 | | FY 2193 | | FY 2194 | | FY 2195 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2196 | | FY 2197 | | FY 2198 | | FY 2199 | | FY 2200 | | FY 2201 | | FY 2202 | | FY 2203 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2204 | | FY 2205 | | FY 2206 | | FY 2207 | | FY 2208 | | FY 2209 | | FY 2210 | | FY 2211 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2212 | | FY 2213 | | FY 2214 | | FY 2215 | | FY 2216 | | FY 2217 | | FY 2218 | | FY 2219 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2220 | | FY 2221 | | FY 2222 | | FY 2223 | | FY 2224 | | FY 2225 | | FY 2226 | | FY 2227 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2228 | | FY 2229 | | FY 2230 | | FY 2231 | | FY 2232 | | FY 2233 | | FY 2234 | | FY 2235 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2236 | | FY 2237 | | FY 2238 | | FY 2239 | | FY 2240 | | FY 2241 | | FY 2242 | | FY 2243 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2244 | | FY 2245 | | FY 2246 | | FY 2247 | | FY 2248 | | FY 2249 | | FY 2250 | | FY 2251 | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 |
| Totals | | | | | | | | | | | | | | | | | |
| | | FY 2252 | | FY 2253 | | FY 2254 | | FY 2255 | | FY 2256 | | FY 2257 | | FY 2258 | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | |
|---|--|---------|---|---------|---|---------|---|---------|---|--------------|---|---|---|------|
| MODIFICATION TITLE: Tank Driver Trainer Mod (M1A2 SEP Upgrade) 1-97-05-4528 | | | | | | | | | | | | | | Date |
| MODELS OF SYSTEMS AFFECTED: M1A1 Tank Driver Trainer | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | |
| <p>The Tank Driver Trainer (TDT) simulates actual tank performance for beginner and transitioning drivers. It provides a range of motion and simulated environments, terrain and situations which are difficult or impossible for the driver to experience in normal training or operations. The M1A2 driver's compartment and tasks are significantly different from the M1A1. This project upgrades existing M1A1 Tank Driver Trainers at the Armor School to match student enrollment as more M1A2s enter the field.</p> | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | |
| PLANNED | | | | | | | | | | ACCOMPLISHED | | | | |
| <p>Contractor Test and Evaluation: 3Q00</p> <p>Initial Operational Test and Evaluation: 4Q00</p> | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | Date | | February 2000 | | | | | | |
|---|-------------------|----|---------|-----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|-----|----|---|-----|---------------|--|--|--|--|--|--|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | Tank Driver Trainer Mod (M1A2 SEP Upgrade) 1-97-05-4528 | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | | | | | | | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | | | | | | | |
| RDT&E | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | 3 | 1.5 | | | | | | | | | | | | | | | 3 | 1.5 | | | | | | | |
| Installation Kits | | | | 1.9 | | | | | | | | | | | | | | | | 1.9 | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Installation | | | | 3.4 | | | | | | | | | | | | | | | | 3.4 | | | | | | | |
| Total Procurement Cost | | | | | | | | | | | | | | | | | | | | 3.4 | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | February 2000 | |
|---|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|-----|----|-------|---------------|--|
| Close Combat Tactical Trainer (CCTT)/SEP Mod 1-97-05-4529 | | | | | | | | | | | | | | | | | | | Date | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | |
| Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | | | | | | | | | | | | | | | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | 0.2 | | 0.6 | | 18 | | 2.2 | | 8 | | 1.6 | | 12 | | 1.3 | | |
| Equipment, Nonrecurring Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | | | | | | | | | | | | | | | | | | |
| Total Procurement Cost | | | | 0.2 | | 0.6 | | 2.2 | | 1.6 | | 1.3 | | 0.4 | | | | 6.3 | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | Date | February 2000 |
|---|--|---------|---|---------|---|---------|---|---------|---|---------|---|--------|---------------|
| MODIFICATION TITLE: Maintenance Training System (MTS) SEP Mod 1-97-05-4530 | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1A2 Maintenance Trainers | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | |
| This funding will modify existing M1A2 Maintenance Training Systems to represent the most recent SEP changes to the M1A2. | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div> PLANNED 3Q01 4Q01 </div> <div> ACCOMPLISHED </div> </div> | | | | | | | | | | | | | |
| Contractor Test and Evaluation: | | | | | | | | | | | | | |
| Initial Operational Test and Evaluation: | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | 2 | | |
| Totals | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Contractor | | | | | | | | | | | | | |
| Contract Dates: | | FY 1999 | | Mar 99 | | FY 2000 | | Jan 00 | | FY 2001 | | Jan 01 | |
| Delivery Date: | | FY 1999 | | FY 2000 | | FY 2001 | | Sep 01 | | FY 2001 | | Sep 01 | |
| PRODUCTION LEADTIME: 18 Months | | | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|-----------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | BRADLEY BASE SUSTAINMENT (G80718) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | 485 | 80 | 98 | 126 | 140 | 109 | 142 | 142 | 130 | 143 | 237 | 1812 | |
| Gross Cost | 591.8 | 250.9 | 225.2 | 361.6 | 379.9 | 359.4 | 408.3 | 405.7 | 412.5 | 438.8 | 874.9 | 4709.0 | |
| Less PY Adv Proc | | | | | | | 11.6 | 11.4 | | 11.7 | 19.1 | 53.6 | |
| Plus CY Adv Proc | | | | | | 20.0 | 2.9 | | 26.0 | 4.7 | | 53.6 | |
| Net Proc (P-1) | 591.8 | 250.9 | 225.2 | 361.6 | 379.9 | 379.4 | 399.6 | 394.3 | 438.5 | 431.8 | 855.8 | 4709.0 | |
| Initial Spares | 4.9 | 2.3 | 0.3 | 7.1 | 9.1 | 11.5 | 10.7 | 10.8 | 5.1 | 5.1 | 50.0 | 117.0 | |
| Total Proc Cost | 596.7 | 253.2 | 225.5 | 368.7 | 389.0 | 390.9 | 410.3 | 405.2 | 443.7 | 436.9 | 905.8 | 4826.0 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | 1.3 | 3.2 | 2.3 | 2.9 | 2.8 | 3.6 | 2.9 | 2.9 | 3.4 | 3.1 | 3.8 | 2.7 | |

DESCRIPTION: The Bradley Base Sustainment Program initiated a program to upgrade first generation Bradleys(A0) into the A2 configuration and bridge the production gap until the introduction of the A3 upgrade vehicles. FY97-00 provides four years of A3 LRIP vehicles. FY01 marks the first full rate production year of the A3 configuration. The upgraded A3 Bradley Fighting Vehicle will facilitate enhanced command and control, provide greater lethality, survivability, mobility, and sustainability required to defeat current and future threat forces while remaining operationally compatible with the main battle tank.

JUSTIFICATION: The FY01 Budget will provide the first year of full rate of production for the A3 upgrade program. The A3 upgrade program will provide digital communications and target acquisition upgrades required to fight as a member of the combined arms team. These vehicles will be remanufactured in the prime contractor's plant to preserve the critical skills and vendor base to allow for future modernization.

Quantities are all A0-A2's in FY96 and prior; 45 A0-A2 Linebackers and 35 A3's in FY97; 80 A0-A2ODS and 18 A3's in FY98; 53 A2ODS and 73 A3's in fy99; 60 A2ODS and 80A3's in FY00; and all A3's thereafter.

A three year multi-year contract is planned for FY's 01-03.

| Exhibit P-40C Budget Item Justification Sheet | | | | | | | | | |
|--|--|-----------------------|--|-----------------------------------|----------|----------|--------|----------|-----------|
| Appropriation / Budget Activity/Serial No. | | Date | | February 2000 | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | P-1 Item Nomenclature | | BRADLEY BASE SUSTAINMENT (G80718) | | | | | |
| Program Elements for Code B Items | | Code | | Other Related Program Elements | | | | | |
| A3 Advanced Procurement Detail (in Mils): | | Fiscal Year | | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 2007 |
| FY TOA | | | | | | | | | |
| FY2001 for FY2002 (memo) | | | | 11.564 | | | | | |
| FY2001 for FY2003 (memo) | | | | 8.442 | | | | | |
| FY2002 (memo) | | | | | (11.564) | | | | |
| FY2002 for FY2003 (memo) | | | | | 2.920 | | | | |
| FY2003 (memo) | | | | | | (11.362) | | | |
| FY2004 for FY2005 (memo) | | | | | | | 11.657 | | |
| FY2004 for FY2006 (memo) | | | | | | | 7.218 | | |
| FY2004 for FY2007 (memo) | | | | | | | 7.160 | | |
| FY2005 (memo) | | | | | | | | (11.657) | |
| FY2005 for FY2006 (memo) | | | | | | | | 2.344 | |
| FY2005 for FY2007 (memo) | | | | | | | | 2.328 | |
| FY2006 (memo) | | | | | | | | | (9.562) |
| FY2007 (memo) | | | | | | | | | (9.488) |

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | P-1 Line Item Nomenclature: BRADLEY BASE SUSTAINMENT (G80718) | | | | Weapon System Type: | | Date: February 2000 | |
|---|----|--|------|----------|-----------|--|----------|-----------|------|---------------------|-----------|------------------------|----------|
| Cost Elements | | FY 98 | | FY 99 | | FY 00 | | FY 01 | | | | | |
| ID | CD | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost |
| | | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 |
| BRADLEY BASE SUSTAINMENT (A2) | | | | | 91536 | | | 80720 | | | 6125 | | |
| BRADLEY BASE SUSTAINMENT (A3) | | | | | 270102 | | | 299225 | | | 373270 | | |
| TOTAL | | | | | 361638 | | | 379945 | | | 379395 | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|--|---------------|
| Appropriation / Budget Activity / Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKO CMBT VEHs / 1 / Tracked Combat Vehicles | | | | | | | | | | | | BRADLEY BASE SUSTAINMENT (M2A2) (G80716) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | 465 | 45 | 80 | 53 | 60 | | | | | | | 703 | |
| Gross Cost | 591.8 | 70.7 | 113.4 | 91.5 | 80.7 | 6.1 | 0.0 | 0.0 | 26.1 | 21.6 | 0.0 | 1002.0 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 591.8 | 70.7 | 113.4 | 91.5 | 80.7 | 6.1 | 0.0 | 0.0 | 26.1 | 21.6 | | 1002.0 | |
| Initial Spares | 4.9 | 2.3 | | | | | | | | | | 7.2 | |
| Total Proc Cost | 596.7 | 73.0 | 113.4 | 91.5 | 80.7 | 6.1 | 0.0 | 0.0 | 26.1 | 21.6 | 0.0 | 1009.2 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | 1.3 | 1.6 | 1.4 | 1.7 | 1.3 | | | | | | | | |

DESCRIPTION: The Bradley Base Sustainment Program initiated a program to upgrade first generation Bradleys(A0) into the A2 configuration and bridge the production gap until the introduction of the A3 upgrade vehicles. FY99 marks the third production year of the A3 configuration. The upgraded A3 Bradley Fighting Vehicle will facilitate enhanced command and control, provide greater lethality, survivability, mobility, and sustainability required to defeat current and future threat forces while remaining operationally compatible with the main battle tank.

Quantities are all A0-A2's in FY96 and prior, 45 A0-A2 Linebackers FY97, and 80, 53 and 60 A0-A2ODS's in FY 98, 99 and 00 respectively.

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | P-1 Line Item Nomenclature: BRADLEY BASE SUSTAINMENT (M2A2/) (G80716) | | Weapon System Type: | | Date: February 2000 | | |
|---|----|--|-----|---|-----------|---------------------|----------|------------------------|------|----------|
| Cost Elements | | FY 98 | | FY 99 | | FY 00 | | FY 01 | | |
| ID | CD | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost |
| | | | | | \$000 | Each | \$000 | \$000 | Each | \$000 |
| 1. VEHICLE | | | | | 43767 | 53 | 826 | 50217 | 60 | 837 |
| 2. Other GFE (New) | | | | | 5978 | 53 | 113 | 7043 | 60 | 117 |
| 3. Other GFE (Reman) | | | | | 3127 | 53 | 59 | 2971 | 60 | 50 |
| 4. Contractor Engineering | | | | | 9632 | | | 12374 | | |
| 5. National Guard Fielding | | | | | 4930 | | | 4911 | | |
| SUBTOTAL | | | | | 67434 | | | 77516 | | |
| 6. Linebacker Engineering - Contractor | | | | | 4560 | | | | | |
| 7. Linebacker Engineering - Government | | | | | 1650 | | | | | |
| SUBTOTAL | | | | | 6210 | | | | | |
| 8. PSE | | | | | 8000 | | | 3204 | | 6125 |
| 9. BFVS Fielding | | | | | 9892 | | | | | |
| TOTAL | | | | | 91536 | | | 80720 | | 6125 |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: February 2000 |
|---|-------------------------|--------------------------|-----------------|---|------------------------|----------|-----------------|------------------|-------------------|---------------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | Weapon System Type: | | P-1 Line Item Nomenclature: BRADLEY BASE SUSTAINMENT (M2A2) (G80716) | | | | | | |
| WBS Cost Elements: | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date |
| 1. VEHICLE | | | | | | | | | | |
| FY 99 | UDLP, York PA | SS/FFP | TACOM | Aug-99 | Jan-01 | 53 | 826 | Yes | No | |
| FY 00 | UDLP, York PA | SS/FFP | TACOM | Mar-00 | Oct-01 | 60 | 837 | Yes | No | |
| REMARKS: | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|--|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHs / 1 / Tracked Combat Vehicles | | | | | | | | | | | | BRADLEY BASE SUSTAINMENT (M2A3) (G80717) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | 35 | 18 | 73 | 80 | 109 | 142 | 142 | 130 | 143 | 237 | 1109 | |
| Gross Cost | 0.0 | 180.2 | 111.8 | 270.1 | 299.2 | 353.3 | 408.3 | 405.7 | 386.4 | 417.1 | 874.9 | 3707.0 | |
| Less PY Adv Proc | | | | | | | 11.6 | 11.4 | | 11.7 | 19.1 | 53.6 | |
| Plus CY Adv Proc | | | | | | 20.0 | 2.9 | | 26.0 | 4.7 | | 53.6 | |
| Net Proc (P-1) | 0.0 | 180.2 | 111.8 | 270.1 | 299.2 | 373.3 | 399.6 | 394.3 | 412.4 | 410.2 | 855.8 | 3707.0 | |
| Initial Spares | | | 0.3 | 7.1 | 9.1 | 11.5 | 10.7 | 10.8 | 5.1 | 5.1 | 50.0 | 109.8 | |
| Total Proc Cost | 0.0 | 180.2 | 112.1 | 277.2 | 308.3 | 384.8 | 410.3 | 405.2 | 417.6 | 415.3 | 905.8 | 3816.7 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | 5.1 | 6.2 | 3.8 | 3.9 | 3.5 | 2.9 | 2.9 | 3.2 | 2.9 | 3.8 | 3.4 | |

DESCRIPTION: The Bradley Base Sustainment Program initiated a program to upgrade first generation Bradleys(A0) into the A2 configuration and bridge the production gap until the introduction of the A3 upgrade vehicles. FY97-00 provides the first four years of A3 LRIP vehicles. FY01 marks the first full rate production year of the A3 configuration. The upgraded A3 Bradley Fighting Vehicle will facilitate enhanced command and control, provide greater lethality, survivability, mobility, and sustainability required to defeat current and future threat forces while remaining operationally compatible with the main battle tank.

JUSTIFICATION: The FY01 Budget will provide the first full rate production year for the A3 upgrade program. The A3 upgrade program will provide digital communications and target acquisition upgrades required to fight as a member of the combined arms team. These vehicles will be remanufactured in the prime contractor's plant to preserve the critical skills and vendor base to allow for future modernization.

A three year multi-year contract is planned for FY's 01-03.

| Exhibit P-40C Budget Item Justification Sheet | | | | | Date | February 2000 |
|--|--|--------------------------------|-------------|--|----------|---------------|
| Appropriation / Budget Activity/Serial No. | | P-1 Item Nomenclature | | BRADLEY BASE SUSTAINMENT (M2A3) (G80717) | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | Other Related Program Elements | | | | |
| Program Elements for Code B Items | | Code | Fiscal Year | 2001 | 2002 | 2003 |
| A3 Advanced Procurement Detail (in Mils): | | | | | | |
| FY TOA | | | | | | |
| FY2001 for FY2002 (memo) | | 11.564 | | | | |
| FY2001 for FY2003 (memo) | | 8.442 | | | | |
| FY2002 (memo) | | | | | (11.564) | |
| FY2002 for FY2003 (memo) | | | | | 2.920 | |
| FY2003 (memo) | | | | | | (11.362) |
| FY2004 for FY2005 (memo) | | | | | 11.657 | |
| FY2004 for FY2006 (memo) | | | | | 7.218 | |
| FY2004 for FY2007 (memo) | | | | | 7.160 | |
| FY2005 (memo) | | | | | (11.657) | |
| FY2005 for FY2006 (memo) | | | | | 2.344 | |
| FY2005 for FY2007 (memo) | | | | | 2.328 | |
| FY2006 (memo) | | | | | (9.562) | |
| FY2007 (memo) | | | | | | (9.488) |

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | P-1 Line Item Nomenclature: BRADLEY BASE SUSTAINMENT (M2A3) (G80717) | | Weapon System Type: | | Date: February 2000 | | |
|---|----|--|-----|--|-----------|---------------------|----------|------------------------|------|----------|
| Cost Elements | | FY 98 | | FY 99 | | FY 00 | | FY 01 | | |
| ID | CD | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost |
| | | \$000 | | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 |
| 1. Vehicle | | 126480 | 73 | 1733 | 141575 | 80 | 1770 | 168761 | 109 | 1548 |
| 2. IBAS | | 42482 | 73 | 582 | 31203 | 80 | 390 | 39818 | 109 | 365 |
| 3. FLIR | | 37353 | 76 | 491 | 32778 | 80 | 410 | 44448 | 109 | 408 |
| 4. Other GFE | | 6572 | 73 | 90 | 10324 | 80 | 129 | 9049 | 109 | 83 |
| 5. Reman (Contractor) | | 11277 | 73 | 154 | | 80 | | | 109 | |
| 6. Pre Mod Depot Maint | | 1591 | 73 | 22 | 1573 | 80 | 20 | 2059 | 109 | 19 |
| SUBTOTAL | | 225755 | | | 217453 | | | 264135 | | |
| 7. Engineering--Government | | 14605 | | | 14516 | | | 14734 | | |
| 8. Engineering--Contractor | | 17234 | | | 37773 | | | 44046 | | |
| 9. Project Management Administration | | 3099 | | | 3115 | | | 3162 | | |
| 10. Reimbursable Matrix Support | | 3013 | | | 3367 | | | 3454 | | |
| 11. Test and Evaluation | | 5969 | | | 8135 | | | 1030 | | |
| SUBTOTAL | | 43920 | | | 66906 | | | 66426 | | |
| 12. Cummins Engine Life-of-Type (LOT) Buy | | | | | | | | | | |
| 13. Peculiar Support Equipment | | | | | | | | | | |
| 14. Classroom Spares | | 427 | | | 8068 | | | 14418 | | |
| 15. Fielding | | | | | 6798 | | | 8285 | | |
| SUBTOTAL | | 427 | | | 14866 | | | 22703 | | |
| TOTAL | | | | | | | | | | |
| Gross P-1 End Cost | | 270102 | | | 299225 | | | 353264 | | |
| Less: Prior Year Adv Proc | | 270102 | | | 299225 | | | 353264 | | |
| Net P-1 Full Funding Cost | | | | | | | | | | |
| Plus: P-1 CY Adv Proc | | 270102 | | | 299225 | | | 353264 | | |
| Other Non P-1 Costs | | | | | | | | 20006 | | |
| Initial Spares | | 7070 | | | 9132 | | | 11516 | | |
| Mods | | | | | | | | | | |
| TOTAL | | 277172 | | | 308357 | | | 384786 | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | |
|---|--|-------------------------|--|--------------------------|---------------------|------------|------------------------|---|-----------------|-------------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | Weapon System Type: | | | P-1 Line Item Nomenclature: BRADLEY BASE SUSTAINMENT (M2A3) (G80717) | | |
| WBS Cost Elements: | | Contractor and Location | | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? |
| Fiscal Years | | | | | | | | | | Date Revisn Avail |
| 1. Vehicle | | | | | | | | | | RFP Issue Date |
| FY 99 | | UDLP, York PA | | SS/FFP | TACOM | Nov-98 | Mar-00 | 73 | 1733 | YES |
| FY 00 | | UDLP, York PA | | SS/FFP | TACOM | May-00 | Apr-01 | 80 | 1770 | YES |
| FY 01 | | UDLP, York PA | | MY/FFP | TACOM | Mar-01 | Apr-02 | 109 | 1548 | YES |
| 2. IBAS | | | | | | | | | | |
| FY 99 | | RTIS, DALLAS TX/ DRS CA | | C/FFP | AMCOM | Nov-98 | Feb-00 | 73 | 582 | YES |
| FY 00 | | RTIS, DALLAS TX/ DRS CA | | C/FFP | AMCOM | Jan-00 | Feb-01 | 80 | 390 | YES |
| FY 01 | | TBD | | MY/FFP | AMCOM | Dec-00 | Feb-02 | 109 | 365 | YES |
| 3. FLIR | | | | | | | | | | |
| FY 99 | | RTIS, DALLAS TX | | SS/FFP | NVL | Jan-99 | Dec-99 | 76 | 491 | YES |
| FY 00 | | RTIS, DALLAS TX | | MY/FFP | NVL | Jan-00 | Dec-00 | 80 | 410 | YES |
| FY 01 | | RTIS, DALLAS TX | | MY/FFP | NVL | Jan-01 | Dec-01 | 109 | 408 | YES |
| REMARKS: Multi year procurements (FY01-03) for Vehicle, and IBAS. Multi year procurement (FY00-01) for FLIR | | | | | | | | | | |

| FY 00 / 01 BUDGET PRODUCTION SCHEDULE | | | | | | | | | | | | | | | P-1 Item Nomenclature: BRADLEY BASE SUSTAINMENT (M2A3) (G80717) | | | | | | | | | | | | | | | Date: February 2000 | | | | | | | | | | | | | | |
|---------------------------------------|--|--|-----------------|-------|---------|---------------|-----------------------|---------------------|------------------|-------|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------------------|-------|--|-----------|--|--|--|--|--|--|--|--|--|--|--|
| M F R | | | NAME / LOCATION | FY | S E R V | PROC QTY Each | ACCEP. PRIOR TO 1 OCT | BAL DUE AS OF 1 OCT | Fiscal Year 00 | | | | | | | | | | | | Fiscal Year 01 | | | | | | | | | | | | L A T E R | | | | | | | | | | | |
| | | | | | | | | | Calendar Year 00 | | | | | | Calendar Year 01 | | | | | | Calendar Year 01 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | O N T | D E C | J A N | F B E | M A R | A P R | M A Y | J U N | J U L | A U G | S E P | O C T | N O V | D E C | J A N | F B E | M A R | A P R | M A Y | J U N | J U L | A U G | S E P | | | | | | | | | | | | | |
| 1 | | | 1. Vehicle | FY 97 | A | 35 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | FY 98 | A | 18 | 9 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | FY 99 | A | 73 | 0 | 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | FY 00 | A | 80 | 0 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | FY 01 | A | 109 | 0 | 109 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | FY 02 | A | 142 | 0 | 142 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | FY 03 | A | 142 | 0 | 142 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | FY 04 | A | 130 | 0 | 130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | FY 05 | A | 143 | 0 | 143 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|--|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | BRADLEY BASE SUSTAINMENT (ADV PROC) (G80718) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | 0.0 | 0.0 | 0.0 | 20.0 | 2.9 | 0.0 | 26.0 | 4.7 | | 53.6 | |
| Net Proc (P-1) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.0 | 2.9 | 0.0 | 26.0 | 4.7 | 0.0 | 53.6 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.0 | 2.9 | 0.0 | 26.0 | 4.7 | 0.0 | 53.6 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |

DESCRIPTION: Advance Procurement for EOQ material.

JUSTIFICATION: EOQ funding supports more economical buys than can be achieved with single year procurements.

| Advance Procurement Requirements Analysis-Funding (P-10A) | | | | | | | | | | | | | | |
|---|--------------|----------------|----------------|---|------|------|------|---|------|------|------|------------------------|------------|-------|
| Appropriation / Budget Activity/Serial No: | | | | First System Award Date: December 1999 | | | | First System Completion Date: April 2001 | | | | Date: February 2000 | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | P-1 Line Item Nomenclature / Weapon System: BRADLEY BASE SUSTAINMENT (ADV PROC) (G80717) | | | | | | | | | | |
| (\$ in Millions) | | | | | | | | | | | | | | |
| | PLT (mos) | When Req'd* | Prior Years | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | To Comp | Total |
| Economic Order Quantity | | | | 35 | 18 | 73 | 80 | 109 | 142 | 142 | 130 | 143 | 237 | 1109 |
| 1. Vehicle | 17 | | | | | | | 2.1 | | | 2.8 | | | 4.9 |
| 2. Flat Panel Display | 6 | | | | | | | 0.8 | | | 1.1 | | | 1.9 |
| 3. Commander's Independent Viewer | 12 | | | | | | | 4.0 | | | 5.9 | | | 9.9 |
| 4. POS/NAV | 6 | | | | | | | 0.7 | | | 0.9 | | | 1.6 |
| 5. Turret Processing Unit | 12 | | | | | | | 0.8 | | | 1.1 | | | 1.9 |
| 6. Hull Processing Unit | 12 | | | | | | | 0.5 | | | 0.6 | | | 1.1 |
| 7. Gunner's Hand Station | 6 | | | | | | | 0.2 | | | 0.3 | | | .5 |
| 8. Commander's Hand Station | 6 | | | | | | | 0.1 | | | 0.3 | | | .4 |
| 9. Position Interface Box | 6 | | | | | | | 0.2 | | | 0.3 | | | .5 |
| 10. Transmission | 6 | | | | | | | 0.6 | | | 0.8 | | | 1.4 |
| 11. Turret Drive | 6 | | | | | | | 0.4 | | | 0.6 | | | 1.0 |
| 12. Turret Drive Control Unit | 6 | | | | | | | 0.6 | | | 0.8 | | | 1.0 |
| 13. IBAS | 13 | | | | | | | 9.0 | 2.9 | | 10.5 | 4.7 | | 27.1 |
| 14. Termination Liability | | | | | | | | | | | | | | |
| Total Advance Procurement | | | | | | | | 20.0 | 2.9 | | 26.0 | 4.7 | | 53.6 |
| Description: *Number of months (Column 3) refers to integration of components, not to EOQ material. EOQ funding four one four-year multiyear and one three-year multiyear. | | | | | | | | | | | | | | |

| Advance Procurement Requirements Analysis-Budget Justification (P-10B) | | | | | | | | | |
|--|--------------|-----------------------------|--------------|--|---------------------------|-----------------------|------|---------------------------|-----------------------|
| Appropriation / Budget Activity/Serial No: | | | | Date: February 2000 | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | BRADLEY BASE SUSTAINMENT (ADV PROC) (G80717) | | | | | |
| (\$ in Millions) | | | | | | | | | |
| | PLT (mos) | Quantity Per Assembly | Unit Cost | 2000 | | | 2001 | | |
| | | | | Qty | Contract Forecast Date | Total Cost Request | Qty | Contract Forecast Date | Total Cost Request |
| Economic Order Quantity (EOQ) | | | | | | | 109 | Mar 01 | |
| 1. Vehicle | 17 | 1 | N/A | | | | | Mar 01 | 2.1 |
| 2. Flat Panel Display | 6 | 2 | N/A | | | | | Mar 01 | 0.8 |
| 3. Commander's Independent Viewer | 12 | 1 | N/A | | | | | Mar 01 | 4.0 |
| 4. POS/NAV | 6 | 1 | N/A | | | | | Mar 01 | 0.7 |
| 5. Turret Processing Unit | 12 | 1 | N/A | | | | | Mar 01 | 0.8 |
| 6. Hull Processing Unit | 12 | 1 | N/A | | | | | Mar 01 | 0.5 |
| 7. Gunner's Hand Station | 6 | 1 | N/A | | | | | Mar 01 | 0.2 |
| 8. Commander's Hand Station | 6 | 1 | N/A | | | | | Mar 01 | 0.1 |
| 9. Position Interface Box | 6 | 1 | N/A | | | | | Mar 01 | 0.2 |
| 10. Transmission | 6 | 1 | N/A | | | | | Mar 01 | 0.6 |
| 11. Turret Drive | 6 | 1 | N/A | | | | | Mar 01 | 0.4 |
| 12. Turret Drive Control Unit | 6 | 1 | N/A | | | | | Mar 01 | 0.6 |
| 13. IBAS | 13 | 1 | N/A | | | | | Mar 01 | 9.0 |
| 14. Termination Liability | | | | | | | | | |
| Total Advance Procurement | | | | | | | | | 20.0 |
| Description: Quantity and unit cost are not applicable. Funding is for EOQ material, not full up components. | | | | | | | | | |

| Advance Procurement Requirements Analysis-Present Value Analysis (P-10C) | | | | | | | | | | Date: February 2000 | | |
|---|--|--|------|------|------|-------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------------------------------|
| P-1 Line Item Nomenclature / Weapon System: BRADLEY BASE SUSTAINMENT (ADV/PRO) (G80717) | | | | | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | |
| (\$ in Millions) | | | | | | | | | | | | |
| | Pr Yrs | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | To Comp | Total |
| Proposal w/o AP Then Year Cost Constant Year Cost Present Value | | | | | | 36673 35947 36189 | 156622 150990 150482 | 248221 234791 232236 | 276250 256190 251664 | 276768 251630 245493 | 891488 775333 745015 | 1886022 1704881 1661079 |
| | AP Proposal Then Year Cost Constant Year Cost Present Value | | | | | 36141 35425 35664 | 148849 143497 143014 | 220097 208189 205923 | 234693 217651 213805 | 239968 218173 212852 | 781373 679609 653050 | 1661121 1502544 1464307 |
| | | AP Savings (Difference) Then Year Cost Constant Year Cost Present Value | | | | | 532 521 525 | 7773 7493 7468 | 28124 26602 26313 | 41557 38539 37858 | 36800 33458 32642 | 110115 95723 91966 |
| Remarks: There are currently no proposals; these are estimates. | | | | | | | | | | | | |

| Advance Procurement Requirements Analysis-Execution (P-10D) | | | | | | | | | | | | Date: February 2000 | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------------------------|--|------------------------|--|----------------------|--|------------------------|--|------------------------|--|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Line Item Nomenclature / Weapon System: | | | | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | BRADLEY BASE SUSTAINMENT (ADV PROC) (G80717) | | | | | | | | | | | |
| (\$ in Millions) | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 2000 | | 2001 | | | | | | | | | |
| | | | | | | | | | | | | 1998 | | 1999 | | 2000 | | 2001 | | | | | |
| | | | | | | | | | | | | Contract Forecast Date | | Actual Contract Date | | Contract Forecast Date | | Actual Contract Date | | | | | |
| | | | | | | | | | | | | Qty | | Total Cost Request | | Total Cost Request | | Qty | | Contract Forecast Date | | | |
| | | | | | | | | | | | | PLT (mos) | | Contract Forecast Date | | Actual Contract Date | | Total Cost Request | | Total Cost Request | | Contract Forecast Date | |
| End Item | | | | | | | | | | | | 17 | | | | | | | | 109 | | Mar 01 | |
| 1. Vehicle | | | | | | | | | | | | 6 | | | | | | | | | | Mar 01 | |
| 2. Flat Panel Display | | | | | | | | | | | | 12 | | | | | | | | | | Mar 01 | |
| 3. Commander's Independent Viewer | | | | | | | | | | | | 6 | | | | | | | | | | Mar 01 | |
| 4. POS/NAV | | | | | | | | | | | | 12 | | | | | | | | | | Mar 01 | |
| 5. Turret Processing Unit | | | | | | | | | | | | 12 | | | | | | | | | | Mar 01 | |
| 6. Hull Processing Unit | | | | | | | | | | | | 6 | | | | | | | | | | Mar 01 | |
| 7. Gunner's Hand Station | | | | | | | | | | | | 6 | | | | | | | | | | Mar 01 | |
| 8. Commander's Hand Station | | | | | | | | | | | | 6 | | | | | | | | | | Mar 01 | |
| 9. Position Interface Box | | | | | | | | | | | | 6 | | | | | | | | | | Mar 01 | |
| 10. Transmission | | | | | | | | | | | | 6 | | | | | | | | | | Mar 01 | |
| 11. Turret Drive | | | | | | | | | | | | 6 | | | | | | | | | | Mar 01 | |
| 12. Turret Drive Control Unit | | | | | | | | | | | | 6 | | | | | | | | | | Mar 01 | |
| 13. IBAS | | | | | | | | | | | | 13 | | | | | | | | | | Mar 01 | |
| Total Advance Procurement | | | | | | | | | | | | | | | | | | | | | | | |
| Description: | | | | | | | | | | | | | | | | | | | | | | | |
| Planned advance procurement. No advance procurement history. | | | | | | | | | | | | | | | | | | | | | | | |

| Advance Procurement Requirements Analysis-Obligations/Expenditures (P-10E) | | | | | | | | | | | | | Date: | February 2000 | |
|---|---------------|------|-----|-----|-------|-----|-----|-----|-----|-----|-----|--------------------|--|---------------|-----|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | | P-1 Line Item Nomenclature / Weapon System: | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | | BRADLEY BASE SUSTAINMENT (ADV PROC) (G80717) | | |
| (\$ in Millions) | | | | | | | | | | | | | | | |
| | Total Program | 1999 | | | FY 00 | | | | | | | Total Ob/Exp (Cum) | Ending Balance (Cum) | | |
| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | | | Aug | Sep |
| FY 98 PY Termination Liability Schedule | | | | | | | | | | | | | | | |
| PY Expenditures | | | | | | | | | | | | | | | |
| FY 99 CY Termination Liability Schedule | | | | | | | | | | | | | | | |
| CY Expenditures | | | | | | | | | | | | | | | |
| FY 00 Termination Liability Schedule | | | | | | | | | | | | | | | |
| FY 01 Termination Liability Schedule | | | | | | | | | | | | | | | |
| Narrative: There is no termination liability within this advance procurement line. EOQ requirements were calculated based on a percentage of the bill of material cost and sub-contractor component cost. | | | | | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | Date: | February 2000 | |
|--|-------------|---------|---------|---------------------------------------|---------|---------|---------|---------|---------|---------|---------------|------------|
| Appropriation / Budget Activity/Serial No: | | | | P-1 Item Nomenclature: | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | BRADLEY FVS TRAINING DEVICES (G20900) | | | | | | | | |
| Program Elements for Code B Items: | | | | Other Related Program Elements: | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | | | | | | | | | | | | |
| Gross Cost | 224.9 | 0.6 | 0.0 | 12.2 | 23.3 | 12.1 | 2.6 | 3.2 | 2.5 | 2.5 | 18.2 | 302.0 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 224.9 | 0.6 | 0.0 | 12.2 | 23.3 | 12.1 | 2.6 | 3.2 | 2.5 | 2.5 | 18.2 | 302.0 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 224.9 | 0.6 | 0.0 | 12.2 | 23.3 | 12.1 | 2.6 | 3.2 | 2.5 | 2.5 | 18.2 | 302.0 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |

Description: The Bradley Advanced Training System (BATS) is a crew station simulator for the BFVS A3 turret. There are two configurations. One is used for precision gunnery training and comes with an Instructor/Operator's station and a remote monitoring station. The basis of issue for the gunnery version is one per mechanized infantry battalion and eight each at the USAARMS and USAIS. Total requirement is 32. The second configuration is maximized for use in the Close Combat Tactical Trainer (CCTT) simulation. The focus is on the unit level collective training in maneuver and command and control. In this configuration, BATS utilizes the Master Control Console from the CCTT and does not have the instructor/operator station. It does have drivers and squad compartments. Basis of issue for the maneuver version is 14 per installation equipped with BFVS A3s plus TRADOC requirements. Total requirement is 72.

Bradley Desktop Trainers (BDT) are computer workstations running the actual M2A3 software. It is equipped with touch-screen monitor, commander's handstation and data entry tool. This trainer facilitates the new equipment and sustainment training on the commander's tactical display and digital command and control software.

Basis of issue is four per mechanized infantry battalion.

The M2A3 Maintenance Trainer will be used at the TRADOC installations to train the maintenance personnel. The system will consist of a Hands-on Turret Trainer (HOTT) and a computer workstation for classroom training. It is similar to the trainers in use for the Abrams tank system. Basis of issue is 8 HOTT and 32 workstations for US Army Armor School.

Justification: The M2A3 is a significant departure from the earlier versions of the Bradley. The digital architecture facilitates embedded test and diagnostics and enhances crew efficiency. As a result, the maintenance concept is radically different from the M2A2ODS. The vehicle fire control system and inherent crew duties are also significantly different. The increased cost of actual vehicle hardware mandates the increased use of Trng Aids, Devices and Simulators. The requirement for these devices is the result of a detailed training analysis and they are a key part of the Training Support Plan for the M2A3. Without these devices, additional vehicles would be required in TRADOC and additional OPTEMPO funding would be required for units.

| Exhibit P-5, Weapon WTCV Cost Analysis | | | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | P-1 Line Item Nomenclature: BRADLEY FVS TRAINING DEVICES (G20900) | | | | Weapon System Type: | | Date: February 2000 | | | |
|--|--|----|--------------------|--|--------------------|-------------|-------------------|---|-------------|--------------------|-------------|---------------------|--------------------|------------------------|--------------------|-------------|-------------------|
| Cost Elements | | ID | FY 98 | | TotalCost \$000 | Qty Each | UnitCost \$000 | FY 99 | | TotalCost \$000 | Qty Each | UnitCost \$000 | FY 00 | | TotalCost \$000 | Qty Each | UnitCost \$000 |
| | | | TotalCost \$000 | Qty Each | | | | TotalCost \$000 | Qty Each | | | | TotalCost \$000 | Qty Each | | | |
| Production | | | | | | | | | | | | | | | | | |
| 1. Bradley Advanced Training System (BATS) | | | | | | | | | | | | | | | | | |
| 2. Bradley Desktop Trainer (BDT) | | | | | | | | | | | | | | | | | |
| 3. Maintenance Trainers | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: | February 2000 |
|---|-------------------------|--------------------------|-----------------|--|------------------------|----------|-----------------|------------------|-------------------|----------------|---------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | Weapon System Type: | | P-1 Line Item Nomenclature: BRADLEY FVS TRAINING DEVICES (G20900) | | | | | | | |
| WBS Cost Elements: | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date | |
| Fiscal Years | | | | | | | | | | | |
| 1. Bradley Advanced Training System (BATS) | | | | | | | | | | | |
| FY 99 | United Defense (LP) | SS FFP | TACOM | Jul-99 | May-00 | 13 | 929 | NA | NA | NA | |
| FY 00 | United Defense (LP) | FFP | TACOM | Jun-00 | Apr-01 | 14 | 1293 | NA | NA | NA | |
| FY 01 | United Defense (LP) | FFP | TACOM | Dec-00 | Nov-01 | 8 | 1125 | NA | NA | NA | |
| 2. Bradley Desktop Trainer (BDT) | | | | | | | | | | | |
| FY 99 | United Defense (LP) | FFP | TACOM | Feb-00 | May-00 | 8 | 10 | NA | NA | NA | |
| FY 00 | United Defense (LP) | FFP | TACOM | Jun-00 | Aug-00 | 46 | 10 | NA | NA | NA | |
| FY 01 | | | | | | | VAR | NA | NA | NA | |
| 3. Maintenance Trainers | | | | | | | | | | | |
| FY 99 | TBD | TBD | STRICOM-Orlando | Mar-00 | May-01 | 2 | 2391 | NA | NA | NA | |
| FY 00 | TBD | TBD | STRICOM-Orlando | Mar-01 | May-02 | 2 | 1549 | NA | NA | NA | |
| FY 01 | | | | | | | | | | | |
| REMARKS: | | | | | | | | | | | |

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | P-1 Line Item Nomenclature: HAB TRAINING DEVICES (G84600) | | | | Weapon System Type: | | Date: February 2000 | |
|---|----|--|------|----------|-----------|--|----------|-----------|------|---------------------|-----------|------------------------|----------|
| ID | CD | FY 98 | | | FY 99 | | | FY 00 | | | FY 01 | | |
| | | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost |
| Cost Elements | | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 |
| 1. Project Management | | | | | 385 | | | | | | 342 | | |
| 2. Program Closeout TBD | | | | | | | | | | | 14502 | | |
| TOTAL | | | | | 385 | | | | | | 14844 | | |
| Note: FY00 program is being reassessed in light of the Army's transformation. | | | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|--|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | BRADLEY FVS TRAINING DEVICES (MOD) (GZ2500) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| Code: A | | | | | | | | | | | | 0203735A D371 Combat Vehicle Improvement Program | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 10.4 | 0.8 | 0.0 | 2.5 | 4.3 | 14.0 | 1.6 | 4.4 | 0.0 | 0.0 | 0.0 | 38.0 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 10.4 | 0.8 | 0.0 | 2.5 | 4.3 | 14.0 | 1.6 | 4.4 | 0.0 | 0.0 | 0.0 | 38.0 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 10.4 | 0.8 | 0.0 | 2.5 | 4.3 | 14.0 | 1.6 | 4.4 | 0.0 | 0.0 | 0.0 | 38.0 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |
| DESCRIPTION: Upgrades to the BFVS Training Devices are required every time the vehicle software changes. Current vehicle plans call for an annual software update. These changes will effect the functionality of the Bradley Advanced Training System (BATS), Bradley Desktop Trainer (BDT), Precision Gunnery System (PGS) and the M2A3 Maintenance Trainers. 1. The introduction of the A3 requires a modification kit for PGS to interface to the digital architecture. A total of 256 mod kits are required for the Active Army. 2. The Through Sight Video system also requires a mod kit to interface to the digital architecture on the M2A3. This mod kit is a redesigned cable harness that will be used on the existing video recording device. A total of 80 kits are required for the Active Army. 3. The UCOfT modifications are designed to replace out-of-date Computer and Image Generator hardware with state-of-the-art equipment. It will also include installation of the Applique computer system in order to completely match the vehicle. It is following the same program for Abrams UCOfTs. A total of 125 UCOfTs will be modified in both Active and Reserve Components. Part of the total requirement is funded by STRICOM through Operations and Support Cost savings. This will insure the UCOfT will remain a viable Training Device as long as the M2A2ODS is in the inventory. 4. Procurement of the Superlevation Switchbox will continue. This component enables the army standard MILES system to interface with the M2A2ODS. Total BOIP is approximately 900 kits for those units equipped with the M2A2ODS. | | | | | | | | | | | | | |
| JUSTIFICATION: This program meets the requirements as stated in the Bradley Operational Requirements Document. A degradation of training will take place if these modifications are delayed or cancelled. Without satisfactory Training Devices, additional vehicles and increased OPTEMPO funding would be required. | | | | | | | | | | | | | |

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | | | |
|--|----------------|--|--|-----------------------|---------|---|---------|---------|---------|---------|---------|-----|-------|
| Appropriation / Budget Activity/Serial No. | | | | Date | | February 2000 | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | P-1 Item Nomenclature | | BRADLEY FVS TRAINING DEVICES (MOD) (GZ2500) | | | | | | | |
| Program Elements for Code B Items | | | | Code | | Other Related Program Elements | | | | | | | |
| Description | | | | Fiscal Years | | | | | | | | | |
| OSIP NO. | Classification | | | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total |
| Software Upgrades | | | | | | | | | | | | | |
| 1-96-05-4513 | Operational | | | 11.2 | 0.1 | 0.0 | 2.4 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 16.3 |
| Precision Gunnery Ststsem (PGS) Mods | | | | | | | | | | | | | |
| 1-99-05-4565 | Operational | | | 0.0 | 1.4 | 0.5 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.0 |
| Unit Conduct Of Fire Trainer (UCOFT) Mods | | | | | | | | | | | | | |
| 1-99-05-4566 | Operational | | | 0.0 | 0.3 | 0.0 | 5.5 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 7.0 |
| Through Sight Video System (TSV) Mods | | | | | | | | | | | | | |
| 1-99-05-4567 | Operational | | | 0.0 | 0.1 | 0.4 | 0.0 | 0.3 | 0.6 | 0.0 | 0.0 | 0.0 | 1.4 |
| Maintenance Trainer Mods | | | | | | | | | | | | | |
| 1-99-05-4568 | Operational | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MILES Mods | | | | | | | | | | | | | |
| 1-99-05-4569 | Operational | | | 0.0 | 0.7 | 3.4 | 0.0 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 5.4 |
| Totals | | | | | | | | | | | | | |
| | | | | 11.2 | 2.5 | 4.3 | 14.0 | 1.6 | 4.4 | 0.0 | 0.0 | 0.0 | 38.0 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|------|-------|---------|----------|---|---|---------|--|--|--|---------|--|--|--|---------|--|--|--|---------|---|---|---|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|--------|---|---|---|---|---|--------|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| MODIFICATION TITLE: Software Upgrades 1-96-05-4513 | | | | | | | | | | | | | | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: BFV COFTs, Precision Gunnery System, BATS, Bradley Desktop Trainer, Maintenance Training Systems. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: Description: Software updates will be required of training devices. As a system is upgraded/modified, software on the training device must be modified to ensure adequate training for the soldier. Planned upgrades include VIC 3 intercom adapter for existing Through Sight Video (TSV), Precision Gunnery System (PGS), MILES , UCFT, COFT Rehost, ODS Maintenance Trainer, and Reserve Component Equipment ODS Mods. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Preliminary Design Review NA Critical Design Review NA Contractor Test & Evaluation NA Initial Operational Test and Evaluation NA IPR Production Decision NA TDP Available NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: <table border="1"> <thead> <tr> <th>Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | | | | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th></th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td><td>3</td><td>4</td><td></td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>Complete</td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | To | 1 | 2 | 3 | 4 | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | Inputs | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | To | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Contractor Contract Dates: FY 1999 4Q99 Delivery Date: FY 1999 2Q00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: 12 Months PRODUCTION LEADTIME: 12 Months FY 2000 1Q00 FY 2001 1Q01 FY 2002 1Q02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | Date | | February 2000 | | | | | |
|----------------------------------|---------|----|---------|----|---------|----|---------|-----|---------|-----|---------|-----|---------|----|---------------|----|-----|----|-------|----|
| Software Upgrades 1-96-05-4513 | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | 11.2 | | 0.1 | | | | | | | | | | | | | | | | 11.2 | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Software Mods -A2 | | | | | | | | | | | | | | | | | | | | |
| Software Mods -A3 | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installation | | | | | | | | | | | | | | | | | | | | |
| Total Procurement Cost | 11.2 | | 0.1 | | | | | 2.4 | | 1.3 | | 1.3 | | | | | | | 16.3 | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | Date | February 2000 |
|--|---------|---|---|---------|---|---|---------|---|---|---------|---|---|---------|---|------|---------------|
| MODIFICATION TITLE: Precision Gunnery Ststern (PGS) Mods 1-99-05-4565 | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: BFV Precision Gunnery System | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | |
| The introduction of the A3 requires a modification kit for PGS to interface to the digital architecture. A total of 256 mod kits are required for the Active Army. | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | |
| Preliminary Design Review NA | | | | | | | | | | | | | | | | |
| Critical Design Review NA | | | | | | | | | | | | | | | | |
| Contractor Test & Evaluation NA | | | | | | | | | | | | | | | | |
| Initial Operational Test and Evaluation NA | | | | | | | | | | | | | | | | |
| IPR Production Decision NA | | | | | | | | | | | | | | | | |
| TDP Available NA | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 128 |
| | | | | | | | | | | | | | | | | 128 |
| METHOD OF IMPLEMENTATION: Contractor | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 Aug 99 | | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 Aug 00 | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: 11 Months | | | | | | | | | | | | | | | | |
| PRODUCTION LEADTIME: 12 Months | | | | | | | | | | | | | | | | |
| FY 2000 Dec 00 | | | | | | | | | | | | | | | | |
| FY 2001 Jul 01 | | | | | | | | | | | | | | | | |
| FY 2001 NA | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | February 2000 | |
|---|-------------------|----|---------|-----|---------|-----|---------|-----|---------|----|---------|----|---------|----|---------|----|-----|----|---------------|-----|
| Precision Gunnery Ststem (PGS) Mods 1-99-05-4565 | | | | | | | | | | | | | | | | | | | Date | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | 28 | 1.4 | 0 | | 228 | 6.1 | | | | | | | | | | | 256 | 7.5 |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | 0.5 | | | | | | | | | | | | | 0.5 |
| NOTE: Application costs are included in procurement unit cost | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | | 1.4 | | 0.5 | | 6.1 | | | | | | | | | | | | 8.0 |
| Total Procurement Cost | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | Date | February 2000 |
|---|--|---------|---|---------|---|---------|---|---------|---|---------|---|---|---|--|------|---------------|
| MODIFICATION TITLE: Unit Conduct Of Fire Trainer (UCOFT) Mods 1-99-05-4566 | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: UCOFT, COFT | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | |
| <p>The UCOFT modifications are designed to replace out-of-date Computer and Image Generator hardware with state-of-the-art equipment. It will also include installation of the Applique computer system in order to completely match the vehicle. It is following the same program for Abrams UCOFTs. A total of 125 UCOFTs will be modified in both Active and Reserve Components. Part of the total requirement is funded by STRICOM through Operations and Support Cost savings. This will insure the UCOFT will remain a viable Training Device as long as the M2A2ODS is in the inventory.</p> | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | |
| Preliminary Design Review NA | | | | | | | | | | | | | | | | |
| Critical Design Review NA | | | | | | | | | | | | | | | | |
| Contractor Test & Evaluation NA | | | | | | | | | | | | | | | | |
| Initial Operational Test and Evaluation NA | | | | | | | | | | | | | | | | |
| IPR Production Decision NA | | | | | | | | | | | | | | | | |
| TDP Available NA | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | |
| Inputs | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Contractor | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 Jul 99 | | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 Jul 00 | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: NA | | | | | | | | | | | | | | | | |
| PRODUCTION LEADTIME: 12 Months | | | | | | | | | | | | | | | | |
| FY 2001 Jul 01 | | | | | | | | | | | | | | | | |
| FY 2001 Jul 02 | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | February 2000 | | | | | | |
|---|-------------------|----|---------|----|---------|-----|---------|----|---------|-----|---------|-----|---------|---------------|---------|----|-----|----|-------|-----|
| MODIFICATION TITLE (Cont): Through Sight Video System (TSV) Mods 1-99-05-4567 | | | | | | | | | | | | | | Date | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | 15 | 0.4 | 0 | | 25 | 0.3 | 70 | 0.6 | | | | | | | 110 | 1.3 |
| Kit Quantity | | | | | | | | | | | | | | | | | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | 0.1 |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| NOTE: Application costs are included in procurement unit cost | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | | | | | | | | | | | | | | | | | | |
| Total Procurement Cost | | | 0.1 | | 0.4 | | | | | 0.3 | 0.6 | | | | | | | | | 1.4 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | |
|--|---|---------|---|------------|---|---------|---|------------|---|-----------|---|---------|----------|---------------|--|
| | | | | | | | | | | | | | | Date | |
| | | | | | | | | | | | | | | February 2000 | |
| MODIFICATION TITLE: | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Preliminary Design Review NA Critical Design Review NA Contractor Test & Evaluation NA Initial Operational Test and Evaluation NA IPR Production Decision NA TDP Available NA | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | |
| | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | |
| Pr Yr | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | |
| Inputs | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | |
| | | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | To | | Totals | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | |
| Inputs | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Contractor | | | | | | | | | | | | | | | |
| Contract Dates: | | FY 1999 | | Enter Date | | FY 2000 | | Enter Date | | 6 Months | | FY 2001 | | Mar 01 | |
| Delivery Date: | | FY 1999 | | Enter Date | | FY 2000 | | Enter Date | | 12 Months | | FY 2001 | | Mar 02 | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | February 2000 | |
|---|----------------------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|-----|----|---------------|----|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | Date | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | | | | | | | | | | | | | | | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Equipment | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| NOTE: Application costs are included in procurement unit cost | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | | | | | | | | | | | | | | | | | | |
| Total Procurement Cost | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | Date | | February 2000 | | | | |
|---|-------------------|----|---------|-----|---------|-----|---------|----|---------|----|---------|-----|---------|-------------------------|---------|---------------|-----|----|-------|-----|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | MILES Mods 1-99-05-4569 | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| MILES Superelevation box | | | 120 | 0.2 | 300 | 0.3 | | | | | | | | | | | | | 420 | 0.5 |
| MILES VIS Adapter | | | 80 | 0.1 | 150 | 0.1 | | | | | | | | | | | | | 230 | 0.2 |
| MILES TOW Bracket | | | | 0.4 | | | | | | | | | | | | | | | | 0.4 |
| SAWE/MILES | | | | | 53 | 3.0 | | | | | 65 | 1.3 | | | | | | | 118 | 4.3 |
| Equipment | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| NOTE: Application costs are included in procurement unit cost | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | | 0.7 | | 3.4 | | | | | | 1.3 | | | | | | | | 5.4 |
| Total Procurement Cost | | | | | | | | | | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | ABRAMS TANK TRAINING DEVICES (GB1300) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| Code: | | | | | | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 45.8 | 12.5 | 13.1 | 13.3 | 8.1 | 10.5 | 11.7 | 12.0 | 12.9 | 5.8 | | 145.7 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 45.8 | 12.5 | 13.1 | 13.3 | 8.1 | 10.5 | 11.7 | 12.0 | 12.9 | 5.8 | | 145.7 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 45.8 | 12.5 | 13.1 | 13.3 | 8.1 | 10.5 | 11.7 | 12.0 | 12.9 | 5.8 | | 145.7 | |
| Flwyway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |

DESCRIPTION: The family of M1A2 Training Aids, Devices, Simulators and Simulations (TADSS) will replicate actual tank performance without incurring the much higher costs of operating the tank itself.

- Advance Gunnery Training System (AGTS) - These are precision gunnery trainers which provide realistic commander and gunner training under varying scenarios.
- Maintenance Trainers - These systems provide training in essential unit and direct support/general support tasks. There are four different trainers: M1A2 Hands-on-Trainer (HOT); Hull Electrical Diagnostic/Troubleshooting (D/T) Trainer; Turret/Fire Control D/T Trainer; and Direct Support Electrical System Test Set Line Replaceable Unit (DSESTS LRU) simulators. The students (approximately 600/yr) will learn about the sub-systems and procedures for troubleshooting and fault isolating the tank system. The intended sites are Ft. Knox and Aberdeen Proving Grounds.
- SEP Integration - This funding provides for integration of SEP improvements into the various training devices impacted by those changes on the tank.

JUSTIFICATION: Fielding of the M1A2 Main Battle Tank requires concurrent fielding of a training support package. It is not cost effective to provide effective, realistic training on the M1A2 tanks through the operational use of the vehicle. Realistic training on a family of training devices simply makes better economic sense.

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | P-1 Line Item Nomenclature: ABRAMS TANK TRAINING DEVICES (GB1300) | | | | Weapon System Type: | | Date: February 2000 | | |
|---|----|--|--------------------|-------------|--------------------|---|--------------------|-------------|--------------------|---------------------|-------------|------------------------|----------|----------|
| ID | CD | Cost Elements | FY 98 | | FY 99 | | FY 00 | | FY 01 | | TotalCost | Qty | UnitCost | UnitCost |
| | | | TotalCost \$000 | Qty Each | TotalCost \$000 | Qty Each | TotalCost \$000 | Qty Each | TotalCost \$000 | Qty Each | | | | |
| A | | Advance Gunnery Training System (AGTS) 1) Production 2) Government Support 3) First Article Test 4) Non Recurring Cost | 8800 324 300 | | | | 1811 500 | | | | 8724 500 | | | |
| | | SUBTOTAL | 9424 | 8 | 1178 | 2311 | 2 | 1156 | 9 | 1025 | | | | |
| A | | M1A2 Maintenance Trainers 1) Production 2) Government Support 3) First Article Test 4) Non Recurring Cost | | | | 1950 100 | | | | | | | | |
| | | SUBTOTAL | 150 | | | 100 | | | | | | | | |
| A | | M1A2 Non System Integration Kits 1) Production 2) Government Support 3) First Article Test 4) Non Recurring Cost | 960 100 | | | 502 | | | | | | | | |
| | | SUBTOTAL | 1062 | | | 502 | VAR | 1075 | | | | | | |
| A | | M1A2 Software Upgrades 1) Production 2) Government Support 3) First Article Test 4) Non Recurring Cost | 59 | | | 100 | | | | | 100 | | | |
| | | SUBTOTAL | 603 | | | 487 | | | | | 780 | | | |
| A | | SEP Integration 1) Production 2) Government Support 3) First Article Test 4) Non Recurring Cost | 662 | VAR | VAR | 587 | VAR | VAR | VAR | | 880 | VAR | | VAR |
| | | SUBTOTAL | 1850 50 100 | | | 2400 100 | | | | | 350 50 | | | |
| | | SUBTOTAL | 2000 | VAR | VAR | 2500 | VAR | VAR | VAR | | 400 | VAR | | VAR |
| | | TOTAL | 13298 | | | 8050 | | | | | 10504 | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | | |
|--|--|--|--------------------------|-----------------|---------------------|------------------------|----------|--|------------------|------------------|----------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | Weapon System Type: | | | P-1 Line Item Nomenclature: ABRAMS TANK TRAINING DEVICES (GB1300) | | | |
| WBS Cost Elements: Fiscal Years | | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revis Avail | RFP Issue Date |
| Advance Gunnery Training System (AGTS) | | | | | | | | | | | |
| FY99 | | Lockheed Martin, Orlando, FL | C-FFP | STRICOM | Nov-98 | Oct-00 | 8 | 1178 | Yes | No | N/A |
| FY00 | | Lockheed Martin, Orlando, FL | C-FFP | STRICOM | Nov-99 | Oct-01 | 2 | 1156 | Yes | No | N/A |
| FY01 | | Lockheed Martin, Orlando, FL | C-FFP | STRICOM | Mar-01 | Mar-03 | 9 | 1025 | Yes | No | N/A |
| M1A2 Maintenance Trainers | | | | | | | | | | | |
| FY00 | | Research Triangle Institute (RTI), Charlotte, NC | C-FFP | STRICOM | Dec-99 | Oct-00 | 2 | 1075 | Yes | No | N/A |
| M1A2 Non System Integration Kits 1/ | | | | | | | | | | | |
| FY99 | | Various | C-FFP | STRICOM | Aug-99 | Nov-99 | VAR | VAR | No | No | N/A |
| FY00 | | Various | C-FFP | STRICOM | Mar-00 | Jun-01 | VAR | VAR | No | No | N/A |
| M1A2 Software Upgrades 2/ | | | | | | | | | | | |
| FY99 | | Various | C-FFP | STRICOM | Mar-99 | Mar-00 | VAR | VAR | No | No | N/A |
| FY00 | | Various | C-FFP | STRICOM | Mar-00 | Mar-01 | VAR | VAR | No | No | N/A |
| FY01 | | Various | C-FFP | STRICOM | Mar-01 | Mar-02 | VAR | VAR | No | No | N/A |
| SEP Integration | | | | | | | | | | | |
| FY99 | | Lockheed Martin, Orlando, FL | C-FFP | STRICOM | Feb-99 | Mar-00 | VAR | VAR | No | No | N/A |
| FY00 | | Lockheed Martin, Orlando, FL | C-FFP | STRICOM | Feb-00 | Mar-01 | VAR | VAR | No | No | N/A |
| FY01 | | Various | C-FFP | STRICOM | Feb-01 | Mar-02 | VAR | VAR | No | No | N/A |
| REMARKS: 1/ M1A2 Non-System Integration Kits provide system unique kits allowing the installation of Non-System Training Devices, such as Thru Sight Video (TSV), Tank Weapon Gun Simulation System (TWGSS), Precision Range Integrated Maneuver Exercise (PRIME), and Multiple Integrated Laser Engagement System (MILES) onto the M1A2 tank. 2/ M1A2 trainer software upgrades update M1A2 training devices to keep pace with changes in the M1A2 tank. | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|--|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nonreliance: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | MEDIUM ARMORED VEHICLE FAMILY (G85100) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 0.0 | 0.0 | 0.0 | 0.0 | TBD | 537.1 | 1007.2 | 898.1 | 853.4 | 1036.6 | 0.0 | 4332.4 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 0.0 | 0.0 | 0.0 | 0.0 | TBD | 537.1 | 1007.2 | 898.1 | 853.4 | 1036.6 | 0.0 | 4332.4 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 0.0 | 0.0 | 0.0 | 0.0 | TBD | 537.1 | 1007.2 | 898.1 | 853.4 | 1036.6 | 0.0 | 4332.4 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |

DESCRIPTION: The Brigade Combat Team (BCT), equipped with Medium Armored Vehicles (MAVs), is a full spectrum combat force. It has utility in all operational environments. It will be employed as part of a division. It can be used across the spectrum of military operations. The Brigade Combat Team deploys rapidly and conducts effective combat operations immediately on arrival to prevent, contain, stabilize, or resolve a conflict through shaping and decisive operations. Variants within the Family of Medium Armored Vehicle (MAVs) are:

Infantry Carrier Vehicle: The Infantry Carrier Vehicle (ICV) provides protected transport and supporting fires for the infantry squad during dismounted assault. The ICV carries an infantry squad with individual equipment.

Mobile Gun System: The Mobile Gun System (MGS) supports dismounted infantry and engages the enemy in close combat in order to clear opposition and permit rapid movement allowing the force to maintain the initiative, occupy and/or secure key objectives, and defeat strong points.

Reconnaissance Vehicle: The Reconnaissance Vehicle provides force situational awareness, gathering and transmitting real time intelligence while moving throughout the battlefield in close, complex and urban terrain.

Antitank Guided Missile Vehicle: The Antitank Guided Missile Vehicle (ATGM) is the brigade's primary tank killing system. The ATGM reinforces the brigade's infantry battalions, reinforces the brigade reconnaissance squadron, and provides long-range direct fires.

Command and Control/TOC Vehicle: The Command and Control/TOC vehicle provides the brigade with the means to receive information and data, analyze, prepare and transmit data, and control the forces/functions carrying out combat missions.

| | | | | | |
|--|--|-----------------------|--------------------------------|--|---------------|
| Exhibit P-40C Budget Item Justification Sheet | | | | Date | February 2000 |
| Appropriation / Budget Activity/Serial No. | | P-1 Item Nomenclature | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | MEDIUM ARMORED VEHICLE FAMILY (G85100) | |
| Program Elements for Code B Items | | Code | Other Related Program Elements | | |
| <p>Mortar Carrier: The Mortar Carrier will support infantry units with screening obscuring, suppressive forces and on-call supporting fires. 120mm and 81mm mortar carrier variants provide complementary capabilities with responsive, accurate and lethal indirect fire support to the dismounted infantry assault.</p> <p>Self-Propelled Howitzer: The Self-Propelled Howitzer provides indirect fire support capabilities beyond what can be ranged by the Mortar Carrier. It provides pro-active counterfire for the brigade.</p> <p>Engineer Vehicle: The Engineer Vehicle (EV) provides maneuver/mobility support capabilities which include obstacle clearing, in-stride breaching of surface mines, proofing of subsurface mines, and smoke generation for local protection.</p> <p>Striker/Fire Support Team Vehicle: The Striker/Fire Support Team Vehicle provides automated enhanced surveillance, target acquisition, target identification, target tracking, target designation, position location, and communications functionality. Targets will be transmitted instantly to the fire support system and shooter.</p> <p>NBC Reconnaissance Vehicle: The Nuclear, Biological, Chemical (NBC) Reconnaissance Vehicle provides on the move and remote near-real-time nuclear, biological and chemical detection and surveillance to supply battlefield visualization of NBC hazards.</p> <p>Medical Evacuation/Medical Treatment Vehicle: The Medical Evaluation/Medical Treatment Vehicle is the Battalion Aid Station for brigade units, providing critical treatment for serious injury and advanced trauma cases.</p> <p>JUSTIFICATION: FY01 funds support the procurement of one Brigade Combat Team (BCT) equipped with Medium Armored Vehicles. An immediate need exists for a Medium Armored Vehicle (MAV) equipped C-130 transportable Brigade Combat Team (BCT), capable of deployment to anywhere on the globe in a combat ready configuration. A dynamic asymmetric threat and operational environment demands full spectrum, strategically responsive, agile and dominant land forces. Immediate response by a lethal, versatile, tactically agile joint force capable of operational maneuver once in the Area of Operations is essential to fulfilling the Warfighting needs of the National Command Authority. The MAV-equipped BCT is this force. The use of a common platform/common chassis design reduces requirements for repair parts and logistics support in the area of operations.</p> | | | | | |

| Exhibit P-5, Weapon WTCV Cost Analysis | | | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | P-1 Line Item Nomenclature: MEDIUM ARMORED VEHICLE FAMILY (G85100) | | | | Weapon System Type: | | Date: February 2000 | |
|---|--|----|----|--|------|----------|-----------|--|----------|-----------|------|---------------------|-----------|------------------------|----------|
| Cost Elements | | ID | CD | FY 98 | | | FY 99 | | | FY 00 | | | FY 01 | | |
| | | | | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost |
| | | | | \$000 | Each | \$000 | \$000 | Each | \$000 | TBD | Each | \$000 | TBD | Each | \$000 |
| 1. Medium Armored Vehicle Family Vehicles | | | | | | | | | | TBD | | | | | TBD |
| 2. Program Management Support | | | | | | | | | | TBD | | | 20800 | | |
| TOTAL | | | | | | | | | | | | | | | 537100 |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: February 2000 |
|---|-------------------------|--------------------------|-----------------|---|------------------------|----------|-----------------|------------------|-------------------|---------------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | Weapon System Type: | | P-1 Line Item Nomenclature: MEDIUM ARMORED VEHICLE FAMILY (G85100) | | | | | | |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date |
| 1. Medium Armored Vehicle Family Vehicles | TBS | TBD | TACOM | Jul-00 | TBD | TBD | TBD | NA | NA | Mar 00 |
| REMARKS: | | | | | | | | | | |
| | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|--|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | COMMAND & CONTROL VEHICLE (G84200) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| Code: A | | | | | | | | | | | | PE 0604640A Advanced Command and Control Vehicle | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | 5 | 5 | 10 | | | | | | | | 20 | |
| Gross Cost | 0.0 | 48.8 | 29.6 | 47.7 | 61.4 | | | | | | | 187.5 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| | 0.0 | 48.8 | 29.6 | 47.7 | 61.4 | | | | | | | 187.5 | |
| Initial Spares | | | 0.9 | 2.5 | 2.6 | | | | | | | 5.9 | |
| Total Proc Cost | 0.0 | 48.8 | 30.5 | 50.2 | 64.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 193.4 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | 9.8 | 6.1 | 5.0 | | | | | | | | 9.7 | |

DESCRIPTION: The Command and Control Vehicle (C2V) provides a fully tracked, armored vehicle based on Bradley A2 and MLRS designs and components. C2V was developed in response to lessons learned during Operation Desert Storm. It supports the Army heavy force Digitization Effort, incorporating communications and electronic systems compatible with Army Tactical Command and Control systems (ATCCS). It provides a mobile, responsive, and survivable command and control capability to the heavy force, and the platform to support command and control on the move.

The program is terminated to support the Army's transformation. The FY00 program is being reassessed in light of the transformation initiative.

JUSTIFICATION: This program was initiated as a result of deficiencies in existing command and control vehicles identified during Operation Desert Storm.

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKO CMBT VEHS / 1 / Tracked Combat Vehicles | | P-1 Line Item Nomenclature: COMMAND & CONTROL VEHICLE (G84200) | | Weapon System Type: | | Date: February 2000 | |
|---|----|--|------|---|-----------|---------------------|----------|------------------------|----------|
| Cost Elements | | FY 98 | | FY 99 | | FY 00 | | FY 01 | |
| ID | CD | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | UnitCost |
| | | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each |
| 1 Vehicle | | | | 18320 | 10 | 1832 | 26153 | 12 | 2179 |
| 2 Transmission | | | | 1486 | 10 | 149 | 1800 | 12 | 150 |
| 3 Other GFE | | | | 403 | 10 | 40 | 512 | 12 | 43 |
| 4 Mission Module Components | | | | 5252 | 18 | 292 | | | |
| SUBTOTAL | | | | 25461 | | | 28465 | | |
| 5 Tooling/Other Non-Recurring | | | | | | | 1828 | | |
| 6 FAT/Qual of Vendors | | | | | | | | | |
| SUBTOTAL | | | | | | | 1828 | | |
| 7 Test | | | | 632 | | | 2161 | | |
| 8 Engr Govt | | | | 2088 | | | 2109 | | |
| 9 Engr Cntr | | | | 10462 | | | 19261 | | |
| 10 Proj Mgt Admin | | | | 650 | | | 657 | | |
| 11 Reimbursable Matrix | | | | 368 | | | 466 | | |
| 12 Software Support | | | | 448 | | | 452 | | |
| 13 Logistics | | | | 3603 | | | 6043 | | |
| 14 TMDE | | | | 4000 | | | | | |
| TOTAL | | | | 47712 | | | 61442 | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: | February 2000 |
|---|---------------------------|--------------------------|-----------------|---|------------------------|----------|-----------------|------------------|-------------------|----------------|---------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | Weapon System Type: | | P-1 Line Item Nomenclature: COMMAND & CONTROL VEHICLE (GB4200) | | | | | | | |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date | |
| 1 Vehicle | | | | | | | | | | | |
| FY 99 | UDLP, York, PA | SS/FFP | TACOM | Dec -98 | Jun-00 | 10 | 1832 | | | | |
| FY 00 | UDLP, York, PA | SS/FFP | TACOM | TBD * | TBD * | 12 | 2179 | | | | |
| 2 Transmission | | | | | | | | | | | |
| FY 99 | GDLS, Muskegon, MI | SS/FFP | TACOM | Mar-99 | Apr-00 | 10 | 149 | | | | |
| FY 00 | GDLS, Muskegon, MI | SS/FFP | TACOM | TBD * | TBD * | 12 | 150 | | | | |
| 4 Mission Module Components | | | | | | | | | | | |
| FY 99 | L3 Comm. Sys., Camden, NJ | FP-Op | CECOM | Dec -98 | Jun-00 | 18 | 292 | | | | |
| REMARKS: L3Comm Systems, Camden, NJ - L3 Communications Systems, Camden, NJ TBD * In light of shutdown and termination of this program. | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | CARRIER, MOD (GB1930) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 663.7 | 44.7 | 39.5 | 55.0 | 62.8 | 45.1 | 48.1 | 46.3 | 48.7 | 48.6 | 576.1 | 1678.6 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 663.7 | 44.7 | 39.5 | 55.0 | 62.8 | 45.1 | 48.1 | 46.3 | 48.7 | 48.6 | 576.1 | 1678.6 | |
| Initial Spares | 3.5 | | | | | | | | | | | 3.5 | |
| Total Proc Cost | 667.2 | 44.7 | 39.5 | 55.0 | 62.8 | 45.1 | 48.1 | 46.3 | 48.7 | 48.6 | 576.1 | 1682.1 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |
| <p>DESCRIPTION: The M113 Family of Vehicles (FOV) consists of over 17,500 vehicles, 20 different variants/platforms, in service in U.S. Army units. The M113 FOV is almost one half of the tracked combat vehicle fleet in a mechanized infantry or armor heavy division. The family provides transport for troops, anti-tank, fire direction, smoke, mortar, cargo carrier and command & control systems. The fleet is required for the next 20 plus years and must be modified to increase mobility, survivability and to install operational enhancements. Operation Desert Storm (ODS) highlighted the need to improve the mobility and survivability, chemical protection, driver's night vision, fuel system, and Command Post Auxiliary Power Units (APU) for the fleet.</p> <p>JUSTIFICATION:</p> <p>1. CREW CHEMICAL PROTECTION: Provides the complete M8, M13 or M14 Nuclear, Biological and Chemical (NBC) System tailored for installation into each M113 variant. The installed system includes mounting provisions, blowers, filters, and air line heaters and hoses for use with crew issued ventilated face masks. The installed system permits vehicle operation in an NBC environment. Installation will occur during vehicle conversions to the A3 configuration. Vehicle conversion will be done, in Department of the Army Master Priority List (DAMPL) sequence, at depot or contractor facilities.</p> <p>2. BLOCK 1 (A3) MODIFICATION: Provides improvements to enhance mobility and crew survivability. Provides a new 275 Horse Power (HP) turbocharged engine coupled with a new transmission. This powertrain replaces less reliable components and results in reduced Operations and Support (O&S) costs while increasing mobility to keep up with the M1 Abrams and Bradley Fighting Vehicle System fleet. Internal spall suppression liners, external armored fuel tanks and external armor mounting provisions increase crew survivability. Vehicle conversion to the A3 configuration will be done, in Department of the Army Master Priority List (DAMPL) sequence, at depot or contractor facilities.</p> | | | | | | | | | | | | | |

| | | | | |
|--|--|--|--------------------------------|---------------|
| Exhibit P-40C Budget Item Justification Sheet | | | Date | February 2000 |
| Appropriation / Budget Activity/Serial No. PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | P-1 Item Nomenclature CARRIER, MOD (GB1930) | | |
| Program Elements for Code B Items | | Code | Other Related Program Elements | |
| <p>3. DRIVER'S NIGHT VIEWER: The M19 image intensifier currently used on the M113 Family of Vehicles (FOV) has limited night vision. The AN/VVS-2(V)1A driver's night viewer has been adapted for use on the M113 FOV. The driver's night viewer enhances operational capability by providing capability for travelling in darkness and low visibility conditions equal to that on the M1 Abrams and Bradley Fighting Vehicle systems.</p> | | | | |

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | | |
|--|-----------------|--|-----------------------|---------|--------------------------------|-----------------------|---------|---------|---------|---------|-------|---------|
| Appropriation / Budget Activity/Serial No. | | | Date | | | February 2000 | | | | | | |
| PROCUREMENT OF WPNS & TRKO CMBT VEHS / 1 / Tracked Combat Vehicles | | | P-1 Item Nomenclature | | | CARRIER, MOD (GB1930) | | | | | | |
| Program Elements for Code B Items | | | Code | | Other Related Program Elements | | | | | | | |
| Description | | | Fiscal Years | | | | | | | | | |
| OSIP NO. | Classification | | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total |
| Crew Chemical Protection | | | | | | | | | | | | |
| 1-91-05-4311 | Oper Capability | | 0.8 | 0.8 | 1.6 | 0.8 | 1.0 | 0.9 | 1.0 | 1.0 | 12.2 | 20.1 |
| Block 1 | | | | | | | | | | | | |
| 1-84-05-4026 | Oper Capability | | 362.9 | 53.4 | 59.2 | 43.2 | 45.6 | 44.1 | 46.2 | 46.2 | 547.7 | 1,248.5 |
| Driver's Night Viewer | | | | | | | | | | | | |
| 1-94-05-4463 | Oper Capability | | 3.4 | 0.8 | 2.0 | 1.1 | 1.5 | 1.3 | 1.5 | 1.4 | 16.2 | 29.2 |
| Totals | | | | | | | | | | | | |
| | | | 367.1 | 55.0 | 62.8 | 45.1 | 48.1 | 46.3 | 48.7 | 48.6 | 576.1 | 1,297.8 |

| | | | | | | | | | | | | | |
|--|----|---------|----|---------|----|---------|----|---------|----|---------|----|-------------|---------------|
| INDIVIDUAL MODIFICATION | | | | | | | | | | | | Date | February 2000 |
| MODIFICATION TITLE: Crew Chemical Protection 1-91-05-4311 | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M113A3, M577A3, M1068A3 | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: Provides the complete M8, M13 or M14 Nuclear, Biological and Chemical (NBC) System tailored for installation into each M113 variant. The installed system includes mounting provisions, blowers, filters, and air line heaters and hoses for use with crew issued ventilated face masks. The installed system permits vehicle operation in an NBC environment. Installation will occur during vehicle conversions to the A3 configuration. Vehicle conversion will be done, in Department of the Army Master Priority List (DAMPL) sequence, at depot or contractor facilities. | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | |
| PLANNED ACCOMPLISHED | | | | | | | | | | | | | |
| Updated TDP Available: March 99 | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | |
| | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | |
| Pr Yr | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Totals | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| | | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | Totals | | | |
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | To Complete | |
| 36 | 37 | 36 | 37 | 38 | 38 | 39 | 38 | 32 | 33 | 32 | 33 | 1586 | 2591 |
| 44 | 36 | 37 | 36 | 37 | 38 | 38 | 38 | 32 | 33 | 32 | 33 | 1586 | 2591 |
| METHOD OF IMPLEMENTATION: Depot/Contractor ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 9 Months | | | | | | | | | | | | | |
| Contract Dates: FY 1999 FY 2000 January 00 FY 2001 January 01 | | | | | | | | | | | | | |
| Delivery Date: FY 1999 FY 2000 October 00 FY 2001 October 01 | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | Date | | February 2000 | | | | |
|--|-------------------|----|---------|----|---------|-----|---------|-----|---------|-----|---------|-----|---------|------|---------|---------------|------|------|-------|------|
| MODIFICATION TITLE (Cont): Crew Chemical Protection 1-91-05-4311 | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | 264 | 1.6 | 138 | 0.6 | 174 | 0.9 | 146 | 0.8 | 153 | 0.9 | 130 | 0.9 | 1586 | 10.9 | 2591 | 16.6 |
| Kit Quantity | | | | | | | | | | | | | | | | | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | 264 | 0.2 | | 138 | 0.1 | | | | | | | | 264 | 0.2 |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | 138 | 0.1 |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | 174 | 0.1 |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | 146 | 0.1 |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | 153 | 0.1 |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | 130 | 0.1 |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | 1586 | 1.2 |
| Total Installment | | | | | | | 264 | 0.2 | 138 | 0.1 | 174 | 0.1 | 146 | 0.1 | 153 | 0.1 | 1716 | 1.3 | 2591 | 1.9 |
| Total Procurement Cost | | | | | | | 1.6 | 0.8 | 1.0 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 12.2 | | 20.1 | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|----|----|----|---------|----|----|----|---------|------|----|----|---------|----|-------|---------|-------------|-----------|----|---------|--|--|--|---------|--|--|--|---------|--|--|--|---------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------|-----------|---------------|----|----|----|---------------|------|----|----|----|----|----|----|----|----|----|----|----|------|----|----------------|----|----|----|----|----|---------------|-----|----|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| MODIFICATION TITLE: Block 1 1-84-05-4026 | | | | | | | | | | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M113A2, M577A2, M981, M1059, M1064, M1068, OSV, M58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: Provides improvements to enhance mobility and crew survivability. Provides a new 275 Horse Power (HP) turbocharged engine coupled with a new transmission. This powertrain replaces less reliable components and results in reduced Operations and Support (O&S) costs while increasing mobility to keep up with the M1 Abrams and Bradley Fighting Vehicle System fleet. Internal spall suppression liners, external armored fuel tanks and external armor mounting provisions increase crew survivability. Vehicle conversion to the A3 configuration will be done, in Department of the Army Master Priority List (DAMPL) sequence, at depot or contractor facilities. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> PLANNED </div> <div style="text-align: center;"> ACCOMPLISHED </div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPR Production Decision: <div style="display: flex; justify-content: space-around;"> May 86 </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TDP Available: <div style="display: flex; justify-content: space-around;"> June 86 </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1214</td><td>40</td><td>40</td><td>41</td> <td>41</td><td>47</td><td>47</td><td>47</td> <td>47</td><td>72</td><td>72</td><td>72</td> <td>72</td><td>72</td><td>72</td><td>72</td> <td>72</td><td>73</td><td>34</td><td>43</td> </tr> <tr> <td>Inputs</td> <td>975</td><td>80</td><td>80</td><td>81</td> <td>80</td><td>80</td><td>47</td><td>47</td> <td>47</td><td>72</td><td>72</td><td>72</td> <td>72</td><td>73</td><td>34</td><td>35</td> <td>34</td><td>35</td><td>43</td><td>44</td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 1214 | 40 | 40 | 41 | 41 | 47 | 47 | 47 | 47 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 73 | 34 | 43 | Inputs | 975 | 80 | 80 | 81 | 80 | 80 | 47 | 47 | 47 | 72 | 72 | 72 | 72 | 73 | 34 | 35 | 34 | 35 | 43 | 44 | Outputs | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1214 | 40 | 40 | 41 | 41 | 47 | 47 | 47 | 47 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 73 | 34 | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 975 | 80 | 80 | 81 | 80 | 80 | 47 | 47 | 47 | 72 | 72 | 72 | 72 | 73 | 34 | 35 | 34 | 35 | 43 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th colspan="2">Totals</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>To Complete</th> <th>To Months</th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td>36</td><td>37</td><td>36</td><td>37</td> <td>38</td><td>38</td><td>38</td><td>39</td> <td>32</td><td>32</td><td>32</td><td>33</td> <td></td><td></td><td></td><td></td> <td>1586</td> <td>9</td> </tr> <tr> <td>Outputs</td> <td>44</td><td>36</td><td>37</td><td>36</td> <td>37</td><td>38</td><td>38</td><td>38</td> <td>39</td><td>32</td><td>33</td><td>32</td> <td>33</td> <td></td><td></td><td></td> <td>1586</td> <td>9</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | To Complete | To Months | Inputs | 36 | 37 | 36 | 37 | 38 | 38 | 38 | 39 | 32 | 32 | 32 | 33 | | | | | 1586 | 9 | Outputs | 44 | 36 | 37 | 36 | 37 | 38 | 38 | 38 | 39 | 32 | 33 | 32 | 33 | | | | 1586 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | To Complete | To Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 36 | 37 | 36 | 37 | 38 | 38 | 38 | 39 | 32 | 32 | 32 | 33 | | | | | 1586 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | 44 | 36 | 37 | 36 | 37 | 38 | 38 | 38 | 39 | 32 | 33 | 32 | 33 | | | | 1586 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Depot/Contractor ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 9 Months Contract Dates: FY 1999 December 98 FY 2000 January 00 FY 2001 January 01 Delivery Date: FY 1999 May 99 FY 2000 October 00 FY 2001 October 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | Date | February 2000 | | | | |
|--|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|------|---------------|----------|------|----|----|
| MODIFICATION TITLE: Driver's Night Viewer 1-94-05-4463 | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M113 Family of Vehicles | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: The M19 image intensifier currently used on the M113 Family of Vehicles (FOV) has limited night vision. The AN/VVS-2(V)1A driver's night viewer has been adapted for use on the M113 FOV. The driver's night viewer enhances operational capability by providing capability for travelling in darkness and low visibility conditions equal to that on the M1 Abrams and Bradley Fighting Vehicle systems. | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | | | | |
| PLANNED ACCOMPLISHED | | | | | | | | | | | | | | | | | | | | |
| TDP Available: September 94 | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Totals | 182 | 50 | 50 | 50 | 50 | 50 | 50 | 51 | 51 | 66 | 66 | 66 | 66 | 34 | 35 | 34 | 35 | 43 | 44 | 44 |
| Inputs | 132 | 50 | 50 | 50 | 50 | 50 | 50 | 51 | 51 | 66 | 66 | 66 | 66 | 34 | 34 | 34 | 35 | 43 | 43 | 43 |
| Outputs | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | To | | |
| Inputs | 36 | 37 | 36 | 37 | 38 | 38 | 38 | 39 | 32 | 33 | 32 | 33 | 33 | | | | 1586 | 3175 | | |
| Outputs | 44 | 36 | 37 | 36 | 37 | 38 | 38 | 38 | 39 | 32 | 33 | 32 | 33 | | | | 1586 | 3175 | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | Date | | February 2000 | | | | |
|--|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------------|------|-------|------|------|
| Driver's Night Viewer 1-94-05-4463 | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | |
| Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | |
| RDT&E PROCUREMENT Kit Quantity Installation Kits Installation Kits, Nonrecurring Equipment Equipment, Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other Interim Contractor Support | 382 | 3.0 | 202 | 0.6 | 264 | 1.8 | 138 | 0.9 | 174 | 1.3 | 146 | 1.0 | 153 | 1.2 | 130 | 1.0 | 1586 | 12.2 | 3175 | 23.0 |
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| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | FIST VEHICLE (MOD) (GZZ300) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| 0203735A | | | | | | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | 19 | 27 | 26 | 29 | 42 | 77 | 48 | 48 | | 316 | |
| Gross Cost | 0.0 | 0.0 | 15.2 | 24.5 | 27.1 | 31.9 | 35.7 | 47.1 | 47.3 | 38.0 | 15.0 | 281.9 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 0.0 | 0.0 | 15.2 | 24.5 | 27.1 | 31.9 | 35.7 | 47.1 | 47.3 | 38.0 | 15.0 | 281.9 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 0.0 | 0.0 | 15.2 | 24.5 | 27.1 | 31.9 | 35.7 | 47.1 | 47.3 | 38.0 | 15.0 | 281.9 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | .8 | .9 | 1.0 | 1.1 | .9 | .6 | 1.0 | .8 | | | |

DESCRIPTION: The Bradley Fire Support Vehicle (BFIST) integrates Mission Equipment Packages into a Bradley Fighting Vehicle to support heavy maneuver force operations. The BFIST replaces the aging M981 Fire Support Vehicle for fire mission planning, support and execution for maneuver company commanders. The Fire Support Team is attached to a mechanized infantry or armor company and is primarily responsible for developing and executing fire support plans that enable success on the battlefield. The BFIST allows fire support operations to be performed on the battlefield in vehicles with the same signature, survivability, and mobility as other Bradley maneuver units.

JUSTIFICATION: The current Fire Support Vehicle M981 was unable to maintain the operational tempo of Bradley/Abrams equipped maneuver forces during Operation Desert Storm (ODS). The A3 BFIST will displace fielded BFIST ODS vehicles. Those displaced vehicles will be modernized overhauled, then fielded to units that have not previously received the BFIST vehicle. Additionally, the M981 displayed a number of operational deficiencies and shortcomings remedied by the BFIST design. The BFIST provides synchronization of combined arms operations.

| Exhibit P-5, Weapon WTCV Cost Analysis | | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | P-1 Line Item Nomenclature: FIST VEHICLE (MOD) (GZZ300) | | | Weapon System Type: | | | Date: February 2000 | | |
|---|----|--------------------------------------|--|------|----------|--|------|----------|---------------------|------|----------|------------------------|------|----------|
| ID | CD | Cost Elements | FY 98 | | | FY 99 | | | FY 00 | | | FY 01 | | |
| | | | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost |
| | | | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 |
| | | Hardware Cost | | | | | | | | | | | | |
| | | 1. Vehicle Upgrade | | | | 9709 | 27 | 360 | 7240 | 26 | 278 | 7510 | 29 | 259 |
| | | 2. MEP | | | | 5813 | 21 | 277 | 2047 | 27 | 76 | 2228 | 29 | 77 |
| | | 3. Pre-Mod Depot Maintenance | | | | | | | 7589 | 26 | 292 | 8579 | 29 | 296 |
| | | SUBTOTAL | | | | 15522 | | | 16876 | | | 18317 | | |
| | | Non Recurring Production | | | | | | | | | | | | |
| | | 3. Engineering Contractor | | | | 1123 | | | 2920 | | | 5170 | | |
| | | 4. Engineering Government | | | | 1348 | | | 1108 | | | 1329 | | |
| | | 5. Program Management Administration | | | | 404 | | | 332 | | | 398 | | |
| | | 6. Reimbursable Matrix Support | | | | 334 | | | 375 | | | 329 | | |
| | | 7. Fielding | | | | 1440 | | | 5604 | | | 5955 | | |
| | | 8. Test & Evaluation | | | | 342 | | | | | | 400 | | |
| | | 9. TMDE (DSETS) | | | | 4000 | | | | | | | | |
| | | SUBTOTAL | | | | 8991 | | | 10239 | | | 13581 | | |
| | | TOTAL | | | | 24513 | | | 27115 | | | 31898 | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: | February 2000 | |
|--|--|-------------------------|---------------------|--------------------------|--|------------|------------------------|----------|-----------------|------------------|-------------------|----------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked | | | Weapon System Type: | | P-1 Line Item Nomenclature: FIST VEHICLE (MOD) (GZ2300) | | | | | | | |
| WBS Cost Elements: Fiscal Years | | Contractor and Location | | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date |
| 1. Vehicle Upgrade | | | | | | | | | | | | |
| FY 99 | | UDLP, York, PA | | SS/FFP | USATACOM, Warren, MI | Nov-98 | Jan-00 | 27 | 360 | | | |
| FY 00 | | UDLP, York, PA | | SS/FFP | USATACOM, Warren, MI | Mar-00 | Feb-01 | 26 | 278 | | | |
| FY 01 | | UDLP, York, PA | | SS/FFP | USATACOM, Warren, MI | Nov-00 | Jan-02 | 29 | 259 | | | |
| 2. MEP | | | | | | | | | | | | |
| FY 00 | | SEI, Sanford, FL | | SS/FFP | USATACOM, Warren, MI | Dec-99 | Oct-00 | 27 | 76 | | | |
| FY 01 | | SEI, Sanford, FL | | SS/FFP | USATACOM, Warren, MI | Nov-00 | Oct-01 | 29 | 77 | | | |
| REMARKS: | | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|---|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | BFVS SERIES (MOD) (GZ2400) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 684.0 | 113.6 | 58.6 | 74.0 | 31.3 | 37.1 | 39.2 | 49.7 | 59.7 | 59.5 | 0.0 | 1206.7 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 684.0 | 113.6 | 58.6 | 74.0 | 31.3 | 37.1 | 39.2 | 49.7 | 59.7 | 59.5 | 0.0 | 1206.7 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 684.0 | 113.6 | 58.6 | 74.0 | 31.3 | 37.1 | 39.2 | 49.7 | 59.7 | 59.5 | 0.0 | 1206.7 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |
| <p>DESCRIPTION: The funds appropriated, budgeted, and programmed in this budget line will provide for the procurement and application of modification kits for the Bradley Fighting Vehicle. The Operation Desert Storm improvements are 5 ECPs which will correct deficiencies identified in Operation Desert Storm and include: Laser Range Finder, Position Navigation System, Equipment Restow Improvement, Combat Identification System, and Drivers Vision Enhancer. The A1 to A2 conversion effort increases the vehicle survivability and brings the vehicle up to the current A2 configuration, with the addition of the High Survivability Kit and the 600HP power pack. The A1 to A2 conversion effort is complete. Operational improvements are the Transmission Electronic Controller, the Vehicle Intercommunications System, the Digital Electronic Control Assembly, and Armor Tiles. The A2 ODS Applique(+) modification will integrate Bradley Fighting Vehicles with the Army's Applique computer system to improve situational awareness. The Battlefield Combat Identification System will provide positive identification of friendly ground vehicles to minimize battlefield fratricide. The M2A2ODS to M3A2ODS conversion program will reconfigure M2A2ODS vehicles to the M3A2ODS configuration to allow fielding under the pure fleet concept in accordance with the Armored Systems Modernization Plan. Most of these modifications will be applied concurrently in "blocks" to reduce application cost and inconvenience to the unit.</p> <p>JUSTIFICATION: The programs in these P-Forms were initiated to meet requirements identified to correct deficiencies identified in Operation Desert Storm and to improve the lethality, survivability, mobility and situational awareness of the Bradley Fighting Vehicle. Reduced Bradley Fighting Vehicle capability, survivability, and mobility will occur if these modifications are delayed or reduced.</p> | | | | | | | | | | | | | |

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | | Date | February 2000 | |
|--|------------------------|--|--|-----------------------|---------|--------------------------------|---------|----------------------------|---------|---------|---------|------|---------------|--|
| Appropriation / Budget Activity/Serial No. | | | | P-1 Item Nomenclature | | | | BFVS SERIES (MOD) (GZ2400) | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | | | |
| Program Elements for Code B Items | | | | Code | | Other Related Program Elements | | | | | | | | |
| Description | | | | Fiscal Years | | | | | | | | | | |
| OSIP NO. | Classification | | | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total | |
| A1-A2 Conversion | | | | | | | | | | | | | | |
| 1-84-05-4038 | Oper. Capability | | | 381.9 | 22.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 404.2 | |
| A2 ODS Mods | | | | | | | | | | | | | | |
| 1-92-05-4404 | Oper. Capability | | | 149.8 | 18.4 | 2.1 | 1.0 | 7.5 | 21.3 | 17.3 | 0.0 | 0.0 | 217.3 | |
| Transmission Electronic Controller (TEC) | | | | | | | | | | | | | | |
| 1-90-05-4282 | Oper. Capability | | | 14.5 | 3.2 | 0.0 | 0.0 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 20.1 | |
| Vehicle Intercom System | | | | | | | | | | | | | | |
| 1-90-05-4284 | Oper. Capability | | | 13.1 | 1.4 | 0.0 | 0.0 | 1.3 | 1.4 | 0.0 | 0.0 | 0.0 | 17.2 | |
| DECA | | | | | | | | | | | | | | |
| 1-93-05-4441 | Oper. Capability | | | 17.4 | 1.9 | 0.0 | 0.0 | 0.8 | 0.6 | 0.0 | 0.0 | 0.0 | 20.8 | |
| HALON Replacement | | | | | | | | | | | | | | |
| 1-92-05-4422 | Legisl. Compliance | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| A2 ODS Applique | | | | | | | | | | | | | | |
| 1-98-05-4539 | Oper. Capability | | | 0.0 | 10.0 | 2.7 | 16.6 | 7.8 | 16.0 | 11.9 | 11.9 | 0.0 | 76.9 | |
| Battlefield Combat Identification System | | | | | | | | | | | | | | |
| 1-98-05-4546 | Operational Capability | | | 0.0 | 0.0 | 1.9 | 2.6 | 2.6 | 2.6 | 1.3 | 0.5 | 0.0 | 11.6 | |
| A2 High Payoff Improvements (No P3a Set) | | | | | | | | | | | | | | |
| 1-98-05-4550 | Operational Capability | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.6 | 29.1 | 47.1 | 0.0 | 82.8 | |
| Armor tiles | | | | | | | | | | | | | | |
| 1-84-05-4038 | Oper. Capability | | | 72.1 | 16.7 | 24.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 113.5 | |
| M2A2ODS to M3A2ODS Conversion | | | | | | | | | | | | | | |
| 1-99-05-4564 | Oper. Capability | | | 0.0 | 0.0 | 0.0 | 17.1 | 18.0 | 0.0 | 0.0 | 0.0 | 0.0 | 35.0 | |
| Totals | | | | 648.8 | 74.0 | 31.3 | 37.1 | 39.2 | 49.7 | 59.7 | 59.5 | 0.0 | 999.4 | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | Date | February 2000 | | | | |
|--|--|---------|----|-----|---------|---------|---|---------|---|---------|---------|----------------|---------------|-----------------------------------|---|--------------------------------|----------|
| MODIFICATION TITLE: A1-A2 Conversion 1-84-05-4038 | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M2A1 (IFV) / M3A1 (CFV) | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | |
| <p>The BFVS conversion effort converts the A1 configuration to an A2 configuration.</p> <p>The conversion effort includes:</p> <ol style="list-style-type: none"> 1. High Survivability (HS) Kit which will enhance vehicle survivability through the application of alternate armor and selective use of crew compartment spill liners for increased protection against threat from frontal attack. The HS kit also contains other associated changes such as restowage, swim curtain, IFV firing ports, and M240 gun upright. 2. The 600HP power pack, which includes the 600 HP engine and the reliability improved 500-3 Transmission which eliminates the adverse impact of increased vehicle weight on vehicle performance and reliability, resulting from High Survivability changes. | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | <u>PLANNED</u> | | <u>ACCOMPLISHED</u> | | | |
| Preliminary Design Review: | | | | | | | | | | | | NA | | | | | |
| Critical Design Review: | | | | | | | | | | | | NA | | | | | |
| Contractor Test and Evaluation: | | | | | | | | | | | | NA | | | | | |
| Development Test and Evaluation: | | | | | | | | | | | | NA | | | | | |
| Initial Operational Test and Evaluation: | | | | | | | | | | | | NA | | | | | |
| IPR Production Decision: | | | | | | | | | | | | 3Q89 | | 3Q89 | | | |
| | | | | | | | | | | | | 3Q89 | | 3Q89 | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | 1294 | 14 | 32 | | | | | | | | | | | | | |
| Outputs | | 1283 | 11 | 14 | 32 | | | | | | | | | | | | |
| | | FY 2004 | | | FY 2005 | | | FY 2006 | | | FY 2007 | | | Totals | | | |
| 1 | | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete |
| Inputs | | | | | | | | | | | | | | | | | 1340 |
| Outputs | | | | | | | | | | | | | | | | | 1340 |
| METHOD OF IMPLEMENTATION: Depot Conversion | | | | | | | | | | | | | | ADMINISTRATIVE LEADTIME: 6 Months | | PRODUCTION LEADTIME: 12 Months | |
| Contract Dates: | | FY 1999 | | N/A | | FY 2000 | | N/A | | FY 2001 | | N/A | | FY 2001 | | N/A | |
| Delivery Date: | | FY 1999 | | N/A | | FY 2000 | | N/A | | FY 2001 | | N/A | | FY 2001 | | N/A | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | February 2000 | | |
|----------------------------------|-------------------|-------|---------|------|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|-----|---------------|-------|-------|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | Date | | |
| A1-A2 Conversion 1-84-05-4038 | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | | | | | | | | | | | | | | | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| 600 HP Engine | 1358 | 47.5 | | | | | | | | | | | | | | | | | 1358 | 47.5 |
| 500-3 Transmission | 1358 | 39.2 | | | | | | | | | | | | | | | | | 1358 | 39.2 |
| High Survivability kits | 1358 | 191.0 | | | | | | | | | | | | | | | | | 1358 | 191.0 |
| Engineering Change Orders | | 1.6 | | | | | | | | | | | | | | | | | | 1.6 |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | 2.8 | | | | | | | | | | | | | | | | | | 2.8 |
| Interim Contractor Support | | | 57 | 14.1 | | | | | | | | | | | | | | | 57 | 14.1 |
| Pre-mod Depot Maintenance | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 1283 | 99.9 | 57 | 8.2 | | | | | | | | | | | | | | | 1340 | 108.1 |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | 1283 | 99.9 | 57 | 8.2 | | | | | | | | | | | | | | | 1340 | 108.1 |
| Total Procurement Cost | | 381.9 | | 22.3 | | | | | | | | | | | | | | | | 404.2 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|----|----|----|---------|---|----|---|---------|------|---------------|--|---------|----|----|----|----------|---|---|---|---------|--|--|----------------------------|---------|--|--|--|---------|------|---|---|---|---|---|-------------------------|---|---|---|---|---|------|---|---|---|---|----------|---------------------------------|--------|----|----|----|--------|------|----|----|----|----|----|----------------------------------|---|---|---|---|----|------|----|---------|----|----|----|--|---|--------|-----|----|----|------|----|----|----|---|---|-------------------------|---|---|--------|----|----|------|---|---|---|---|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| MODIFICATION TITLE: A2 ODS Mods 1-92-05-4404 | | | | | | | | | | Date | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M2A2/M3A2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Six vehicle improvements (ECP's) which will correct deficiencies identified in Operation Desert Storm. These increase vehicle lethality and survivability and situational awareness. Additionally, included in this effort are Armored Hatches to further improve vehicle survivability.</p> <p>a. Laser Range Finder: will give the BFVS a first burst on target capability and reduce the time required to acquire and kill a target.</p> <p>b. Position Navigation System: Global Positioning System (GPS) integrating hardware and a self calibrating digital compass. This will enable the Bradley commander to determine his exact location at all times and determine the heading and distance to any location.</p> <p>c. Equipment Restow Improvement: Improves the method of stowing internal and external equipment.</p> <p>d. Combat Identification System: Provides integration hardware for a passive system that will provide visual and thermal signatures detectable between ground to ground vehicles and from air to ground.</p> <p>e. Driver's Thermal Viewer: Increases the driver's ability to see through battlefield obscurants such as dust, fog and smoke during night and day.</p> <p>f. Missile Countermeasure Device: Provides additional protection against a variety of anti tank missiles.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td colspan="6">DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:</td> <td colspan="6"> <div> <div>PLANNED</div> <div>4Q93</div> <div>2Q94</div> <div>3Q94</div> <div>4Q94</div> <div>1Q95</div> <div>2Q95</div> </div> </td> </tr> <tr> <td colspan="6">Preliminary Design Review:</td> <td colspan="6">4Q93</td> </tr> <tr> <td colspan="6">Critical Design Review:</td> <td colspan="6">2Q94</td> </tr> <tr> <td colspan="6">Contractor Test and Evaluation:</td> <td colspan="6">3Q94</td> </tr> <tr> <td colspan="6">Development Test and Evaluation:</td> <td colspan="6">1Q95</td> </tr> <tr> <td colspan="6">Initial Operational Test and Evaluation:</td> <td colspan="6">1Q95</td> </tr> <tr> <td colspan="6">IPR Production Decision</td> <td colspan="6">2Q95</td> </tr> </table> | | | | | | | | | | | | DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | <div> <div>PLANNED</div> <div>4Q93</div> <div>2Q94</div> <div>3Q94</div> <div>4Q94</div> <div>1Q95</div> <div>2Q95</div> </div> | | | | | | Preliminary Design Review: | | | | | | 4Q93 | | | | | | Critical Design Review: | | | | | | 2Q94 | | | | | | Contractor Test and Evaluation: | | | | | | 3Q94 | | | | | | Development Test and Evaluation: | | | | | | 1Q95 | | | | | | Initial Operational Test and Evaluation: | | | | | | 1Q95 | | | | | | IPR Production Decision | | | | | | 2Q95 | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | <div> <div>PLANNED</div> <div>4Q93</div> <div>2Q94</div> <div>3Q94</div> <div>4Q94</div> <div>1Q95</div> <div>2Q95</div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preliminary Design Review: | | | | | | 4Q93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical Design Review: | | | | | | 2Q94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contractor Test and Evaluation: | | | | | | 3Q94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development Test and Evaluation: | | | | | | 1Q95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Initial Operational Test and Evaluation: | | | | | | 1Q95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPR Production Decision | | | | | | 2Q95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>922</td><td>98</td><td>98</td><td>98</td> <td>50</td><td>50</td><td>49</td><td>7</td> <td>8</td><td>8</td><td>9</td><td>15</td> <td>14</td><td>14</td><td>14</td><td>14</td> <td>8</td><td>8</td><td>8</td><td>7</td> </tr> <tr> <td>Inputs</td> <td>823</td><td>99</td><td>98</td><td>98</td> <td>50</td><td>50</td><td>49</td><td>7</td> <td>8</td><td>8</td><td>8</td><td>9</td> <td>14</td><td>14</td><td>14</td><td>14</td> <td>8</td><td>8</td><td>8</td><td>7</td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 922 | 98 | 98 | 98 | 50 | 50 | 49 | 7 | 8 | 8 | 9 | 15 | 14 | 14 | 14 | 14 | 8 | 8 | 8 | 7 | Inputs | 823 | 99 | 98 | 98 | 50 | 50 | 49 | 7 | 8 | 8 | 8 | 9 | 14 | 14 | 14 | 14 | 8 | 8 | 8 | 7 | Outputs | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 922 | 98 | 98 | 98 | 50 | 50 | 49 | 7 | 8 | 8 | 9 | 15 | 14 | 14 | 14 | 14 | 8 | 8 | 8 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 823 | 99 | 98 | 98 | 50 | 50 | 49 | 7 | 8 | 8 | 8 | 9 | 14 | 14 | 14 | 14 | 8 | 8 | 8 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th colspan="2">Totals</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>Complete</th><th>To</th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td>19</td><td>19</td><td>19</td><td>19</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td> </tr> <tr> <td>Outputs</td> <td>20</td><td>19</td><td>19</td><td>19</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td> </tr> <tr> <td>Totals</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | To | Inputs | 19 | 19 | 19 | 19 | | | | | | | | | | | | | | | Outputs | 20 | 19 | 19 | 19 | | | | | | | | | | | | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | To | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 19 | 19 | 19 | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | 20 | 19 | 19 | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>METHOD OF IMPLEMENTATION: Contr/Depot/Field</p> <p>ADMINISTRATIVE LEADTIME: 6 Months</p> <p>PRODUCTION LEADTIME: 12 Months</p> <p>Contract Dates: FY 1999 Dec 98 N/A FY 2000 N/A FY 2001 N/A</p> <p>Delivery Date: FY 1999 Dec 99 N/A FY 2000 N/A FY 2001 N/A</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | Date | February 2000 | | | | |
|--|---------|-------|---------|------|---------|-----|---------|-----|---------|-----|---------|------|---------|------|---------------|--------------------------|-------|-------|--|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | A2 ODS Mods 1-92-05-4404 | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | |
| FY 1998 and Prior | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | |
| RDT&E | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | 1320 | 136.2 | 137 | 10.1 | | | | 56 | 6.3 | 57 | 9.6 | 20 | 4.3 | | | | 1590 | 166.5 | |
| Installation Kits | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | 2.0 | | | | | | | | | | | | | | | | 2.0 | |
| Engineering Change Orders | | 5.8 | | 0.1 | | | | | | | | | | | | | | 5.8 | |
| Data | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | |
| Pre-mod Depot Maintenance | | | | | | | | | | 36 | 9.4 | 41 | 10.9 | | | | 77 | 20.2 | |
| NOTE: Application quantities and costs reflect kits applied by field retrofit only. Costs for ODS application during AO-A2 remanufacture, BFIST conversion and A1-A2 conversion are reflected on their respective P-forms. | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 695 | 5.9 | 118 | 5.8 | | | | | | | | | | | | | 813 | 11.8 | |
| FY 1999 Eqpt -- Kits | | | 50 | 2.4 | 43 | 2.1 | 20 | 1.0 | 24 | 1.2 | | | | | | | 137 | 6.6 | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | 32 | 1.6 | | | | | 32 | 1.6 | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | 15 | 0.7 | 42 | 2.1 | | | 57 | 2.9 | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | |
| Total Installment | 695 | 5.9 | 168 | 8.2 | 43 | 2.1 | 20 | 1.0 | 24 | 1.2 | 47 | 2.3 | 42 | 2.1 | | | 1039 | 22.9 | |
| Total Procurement Cost | | 149.8 | | 18.4 | | 2.1 | | 1.0 | | 7.5 | | 21.3 | | 17.3 | | | | 217.3 | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | |
|---|-------------------|------|---------|-----|---------|----|---------|----|---------|-----|---------|---------------|
| Transmission Electronic Controller (TEC) 1-90-05-4282 | | | | | | | | | | | | February 2000 |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RT&E | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | |
| Kit Quantity | 870 | 14.5 | 175 | 3.2 | | | | | 55 | 1.2 | 57 | 1.2 |
| Installation Kits | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | |
| Data | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | |
| Other | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | |
| NOTE: Application is budgeted as part of the A2 ODS program | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | |
| Total Installment | | | | | | | | | | | | |
| Total Procurement Cost | 14.5 | | 3.2 | | | | | | 1.2 | | 1.2 | |
| | | | | | | | | | | | | 20.1 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------|--------|--------------------------|-----|----------|-----|----------------------|-----|----------|-----|---------------------|----|---------|------|-----------------|------------------|---------|--------------------------|---|----------|--|----------------------|--|----------|--|---------------------|---------|---------|---------|----------------------------|---------|---------|---------|-----|---------|-----|---|---|---|---|----|---|---|---|-------------------------|----|---|---|--------|----|----|----|---|---|---|--------|-----|----|----|---------------------------------|----|----|---|---|---|------|---------|----|----|----|----|---|---|---|----------------------------------|----|--------|-----|----|----|----|----|----|------|---|----|---|---|---|--|------|----|----|---|---|---|---|---------|--|--|------|--|--|--|-------------------------|------|--|--|--|--|--|--|--|--|--|------|--|--|--|----------------|----|--|--|--|--|--|--|--|--|--|----|--|--|--|
| MODIFICATION TITLE: Vehicle Intercom System 1-90-05-4284 | | | | | | | | | | | | | | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: A2 ODS M2/M3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>The VIS system is a replacement for the AN/VIC-1 intercom system. It is a digital intercom system which provides internal communications as well as access to the vehicle radios. This is a non-developmental item to be applied to the A2 ODS vehicles.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:</p> <table border="0"> <tr> <td></td> <td colspan="10"><u>PLANNED</u></td> <td colspan="4"><u>ACCOMPLISHED</u></td> </tr> <tr> <td>Preliminary Design Review:</td> <td colspan="10">NA</td> <td colspan="4">NA</td> </tr> <tr> <td>Critical Design Review:</td> <td colspan="10">NA</td> <td colspan="4">NA</td> </tr> <tr> <td>Contractor Test and Evaluation:</td> <td colspan="10">NA</td> <td colspan="4">NA</td> </tr> <tr> <td>Development Test and Evaluation:</td> <td colspan="10">NA</td> <td colspan="4">NA</td> </tr> <tr> <td>Initial Operational Test and Evaluation:</td> <td colspan="10">2Q95</td> <td colspan="4">2Q95</td> </tr> <tr> <td>IPR Production Decision</td> <td colspan="10">3Q95</td> <td colspan="4">3Q95</td> </tr> <tr> <td>TDP Available:</td> <td colspan="10">NA</td> <td colspan="4">NA</td> </tr> </table> | | | | | | | | | | | | | | | | <u>PLANNED</u> | | | | | | | | | | <u>ACCOMPLISHED</u> | | | | Preliminary Design Review: | NA | | | | | | | | | | NA | | | | Critical Design Review: | NA | | | | | | | | | | NA | | | | Contractor Test and Evaluation: | NA | | | | | | | | | | NA | | | | Development Test and Evaluation: | NA | | | | | | | | | | NA | | | | Initial Operational Test and Evaluation: | 2Q95 | | | | | | | | | | 2Q95 | | | | IPR Production Decision | 3Q95 | | | | | | | | | | 3Q95 | | | | TDP Available: | NA | | | | | | | | | | NA | | | |
| | <u>PLANNED</u> | | | | | | | | | | <u>ACCOMPLISHED</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preliminary Design Review: | NA | | | | | | | | | | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical Design Review: | NA | | | | | | | | | | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contractor Test and Evaluation: | NA | | | | | | | | | | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development Test and Evaluation: | NA | | | | | | | | | | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Initial Operational Test and Evaluation: | 2Q95 | | | | | | | | | | 2Q95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPR Production Decision | 3Q95 | | | | | | | | | | 3Q95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TDP Available: | NA | | | | | | | | | | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>505</td><td>98</td><td>98</td><td>50</td> <td>50</td><td>49</td><td>7</td><td>8</td> <td>8</td><td>8</td><td>9</td><td>15</td> <td>14</td><td>14</td><td>14</td><td>8</td> <td>8</td><td>8</td><td>7</td><td>20</td> </tr> <tr> <td>Inputs</td> <td>406</td><td>99</td><td>98</td><td>98</td> <td>50</td><td>50</td><td>49</td><td>7</td> <td>8</td><td>8</td><td>8</td><td>9</td> <td>14</td><td>14</td><td>14</td><td>14</td> <td>8</td><td>8</td><td>8</td><td>7</td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 505 | 98 | 98 | 50 | 50 | 49 | 7 | 8 | 8 | 8 | 9 | 15 | 14 | 14 | 14 | 8 | 8 | 8 | 7 | 20 | Inputs | 406 | 99 | 98 | 98 | 50 | 50 | 49 | 7 | 8 | 8 | 8 | 9 | 14 | 14 | 14 | 14 | 8 | 8 | 8 | 7 | Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 505 | 98 | 98 | 50 | 50 | 49 | 7 | 8 | 8 | 8 | 9 | 15 | 14 | 14 | 14 | 8 | 8 | 8 | 7 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 406 | 99 | 98 | 98 | 50 | 50 | 49 | 7 | 8 | 8 | 8 | 9 | 14 | 14 | 14 | 14 | 8 | 8 | 8 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th rowspan="2">Totals</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td>19</td><td>19</td><td>19</td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>1153</td> </tr> <tr> <td>Outputs</td> <td>20</td><td>19</td><td>19</td><td>19</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>1153</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | 19 | 19 | 19 | | | | | | | | | | | | | | 1153 | Outputs | 20 | 19 | 19 | 19 | | | | | | | | | | | | | 1153 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 19 | 19 | 19 | | | | | | | | | | | | | | 1153 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | 20 | 19 | 19 | 19 | | | | | | | | | | | | | 1153 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>METHOD OF IMPLEMENTATION:</p> <table border="0"> <tr> <td>Contract Dates:</td> <td colspan="2">contractor/Depot</td> <td colspan="2">ADMINISTRATIVE LEADTIME:</td> <td colspan="2">6 Months</td> <td colspan="2">PRODUCTION LEADTIME:</td> <td colspan="2">6 Months</td> </tr> <tr> <td>Delivery Date:</td> <td>FY 1999</td> <td>Mar 99</td> <td>FY 2000</td> <td>N/A</td> <td>FY 2001</td> <td>N/A</td> <td>FY 2001</td> <td>N/A</td> <td>FY 2001</td> <td>N/A</td> </tr> </table> | | | | | | | | | | | | | | | Contract Dates: | contractor/Depot | | ADMINISTRATIVE LEADTIME: | | 6 Months | | PRODUCTION LEADTIME: | | 6 Months | | Delivery Date: | FY 1999 | Mar 99 | FY 2000 | N/A | FY 2001 | N/A | FY 2001 | N/A | FY 2001 | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: | contractor/Depot | | ADMINISTRATIVE LEADTIME: | | 6 Months | | PRODUCTION LEADTIME: | | 6 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: | FY 1999 | Mar 99 | FY 2000 | N/A | FY 2001 | N/A | FY 2001 | N/A | FY 2001 | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | February 2000 | | | | | | |
|---|-------------------|------|---------|-----|---------|----|---------|----|---------|-----|---------|-----|---------|---------------|---------|----|-----|----|-------|------|
| Vehicle Intercom System 1-90-05-4284 | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | 964 | 13.1 | 77 | 1.4 | | | | | 55 | 1.3 | 57 | 1.4 | | | | | | | 1153 | 17.2 |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| APPLICATION SCHEDULED AND BUDGETED AS PART OF A20DS PROGRAM | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installation | | | | | | | | | | | | | | | | | | | | |
| Total Procurement Cost | 13.1 | | 1.4 | | | | | | 1.3 | | 1.4 | | | | | | | | | 17.2 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | Date | February 2000 | | | | | | | | |
|--|---------|----|----|---------|----|----|---------|---|---|---------|----|----------------|---------------|--------------------------|---|-------------|--|----------------------|--|-------------|--|
| MODIFICATION TITLE: Digital Electronic Control Assembly (DECA) 1-93-05-4441 | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M2A2/M3A2 | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | | | | |
| The Digital Electronic Control Assembly (DECA) is the microprocessor based controller of the turret drive system. It transfers signals from crew and sensor inputs to the appropriate subsystem to execute a specific task. The DECA replaces the Electronic Control Assembly (ECA) and provides built in testing, improved reliability and elimination of hull and turret gyro. | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | <u>PLANNED</u> | | <u>ACCOMPLISHED</u> | | | | | | | |
| Preliminary Design Review: | | | | | | | | | | | | NA | | | | | | | | | |
| Critical Design Review: | | | | | | | | | | | | NA | | | | | | | | | |
| Contractor Test and Evaluation: | | | | | | | | | | | | NA | | | | | | | | | |
| Development Test and Evaluation: | | | | | | | | | | | | NA | | | | | | | | | |
| Initial Operational Test and Evaluation: | | | | | | | | | | | | NA | | | | | | | | | |
| IPR Production Decision | | | | | | | | | | | | 3Q89 | | 3Q89 | | | | | | | |
| TDP Available: | | | | | | | | | | | | 3Q89 | | 3Q89 | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | |
| Inputs | 468 | 91 | 91 | 50 | 50 | 49 | 7 | 8 | 8 | 9 | 14 | 14 | 8 | 8 | 7 | 20 | | | | | |
| Outputs | 377 | 91 | 91 | 91 | 50 | 50 | 49 | 7 | 8 | 8 | 9 | 14 | 14 | 8 | 8 | 7 | | | | | |
| Totals | | | | | | | | | | | | | | 1095 | | 1095 | | | | | |
| Inputs | | | | | | | | | | | | | | 19 | | 19 | | 19 | | 19 | |
| Outputs | | | | | | | | | | | | | | 20 | | 19 | | 19 | | 19 | |
| METHOD OF IMPLEMENTATION: | | | | | | | | | | | | Depot/Field | | ADMINISTRATIVE LEADTIME: | | 24 Months | | PRODUCTION LEADTIME: | | 24 Months | |
| Contract Dates: | | | | | | | | | | | | FY 1999 Jan 99 | | FY 2000 N/A | | FY 2001 N/A | | FY 2001 N/A | | FY 2001 N/A | |
| Delivery Date: | | | | | | | | | | | | FY 1999 Sep 99 | | FY 2000 N/A | | FY 2001 N/A | | FY 2001 N/A | | FY 2001 N/A | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | |
|---|-------------------|------|---------|-----|---------|----|---------|----|---------|-----|---------|------|
| Date February 2000 | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): DECA 1-93-05-4441 | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | |
| Kit Quantity | 776 | 17.4 | 263 | 1.9 | | | | | 32 | 0.8 | 24 | 0.6 |
| Installation Kits | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | |
| Data | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | |
| Other | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | |
| APPLICATION BUDGETED AS PART OF A1-A2 CONVERSION AND A2 ODS APPLICATION | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | |
| Total Installation | | | | | | | | | | | | |
| Total Procurement Cost | 17.4 | | 1.9 | | | | | | 0.8 | | 0.6 | |
| | | | | | | | | | | | | 20.8 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | |
|--|---------|----|---------|--|---------|----|---------|---------------------------------------|---------|---------------|---|------|--|
| Date | | | | | | | | | | February 2000 | | | |
| MODIFICATION TITLE: A2 ODS Applique 1-98-05-4539 | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M2A2ODS, M6A1 Linebacker, M7A1 BFIST | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>ODS Vehicle Applique: For Force XXI and the First Digitized Division, the Bradley Infantry vehicles will be integrated with the Army's Applique(+) computer system. The integration kit will include mounting the flat panel display, keyboard and CPU inside of the Bradley Turret and interfacing the vehicle systems (Bradley Eyesafe Laser Rangefinder and Position/Navigation System) to applique(+) to provide Laser Designation and Steer-to capability. The Bradley Infantry variant will also include an additional display in the hull for squad situational awareness and a turret mounted display for the Bradley commander.</p> | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: <div style="display: flex; justify-content: space-between;"> <div> PLANNED Preliminary Design Review: 7/95 Critical Design Review: 1/96 LUT: 9/98 IOT&E: 09/00 MS III: 03/01 </div> <div> ACTUAL 7/95 1/96 8/98 </div> </div> | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | |
| Inputs Outputs | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Totals | | | | | | | | | | | | | |
| Inputs Outputs | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | Totals | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| 42 | | 54 | | 54 | | 44 | | 43 | | 39 | | 1102 | |
| 42 | | 54 | | 54 | | 44 | | 43 | | 39 | | 1102 | |
| METHOD OF IMPLEMENTATION: Contractor Applied | | | | | | | | | | | | | |
| Contract Dates: FY 1999 Jan 99 | | | | ADMINISTRATIVE LEADTIME: 6 Months | | | | PRODUCTION LEADTIME: 12 Months | | | | | |
| Delivery Date: FY 1999 Jun 00 | | | | FY 2000 Jun 00 | | | | FY 2001 Jun 01 FY 2001 Jun 02 | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | Date | February 2000 |
|---|---------|----|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|-----|----|-------|------------------------------|---------------|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | A2 ODS Applique 1-98-05-4539 | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | |
| FY 1998 and Prior | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | |
| RDT&E | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | |
| ODS Installation B-Kits | | | 126 | 2.7 | 261 | 5.7 | 159 | 3.5 | 225 | 5.1 | 174 | 4.0 | 157 | 3.7 | | | 1102 | 24.7 | |
| ODS Installation A-Kits | | | 50 | 5.6 | 193 | 10.9 | 93 | 4.3 | 186 | 10.9 | 135 | 7.9 | 130 | 8.2 | | | 787 | 47.8 | |
| ODS Nonrecurring | | | | 3.1 | | | | | | | | | | | | | | 3.1 | |
| IOTE Refurbishment | | | | 0.9 | | | | | | | | | | | | | | 0.9 | |
| Data | | | | 0.4 | | | | | | | | | | | | | | 0.4 | |
| Support Equipment | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | |
| NOTE: Application costs are included in procurement unit cost | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | |
| Total Installation | | | | 10.0 | | 2.7 | | 16.6 | | 7.8 | | 16.0 | | 11.9 | | | | 76.9 | |
| Total Procurement Cost | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|----|---------|----|---------|---|---------|---|---------|--------|------|-------|---------|--|---------|--|---------|--|---------|--|---------|--------|--------|---|---|---|---|---|---|---|---|---|---|---|--------|--------|----|----|---|---|---|---|---|--|--|-----|---------|----|---------|----|----|---|---|---|---|--|--|-----|--|--|--|
| MODIFICATION TITLE: Battlefield Combat Identification System 1-98-05-4546 | | | | | | | | | | | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M2A2ODS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>The Battlefield Combat Identification System (BCIS) is a millimeter wave, question and answer system that will provide positive identification of friendly ground vehicles to minimize battlefield fratricide and enhance combat effectiveness. The BCIS is a designated Army Horizontal Technology Integration (HTI) initiative.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MSII 4Q93 CDR 2Q94 PPQT/LUT 1Q95 TF XXI Demo 3Q97 NATO Demo 4Q97 LRIP IPR 2Q99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Pr Yr</th> <th colspan="2">FY 1999</th> <th colspan="2">FY 2000</th> <th colspan="2">FY 2001</th> <th colspan="2">FY 2002</th> <th colspan="2">FY 2003</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Inputs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Outputs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | Pr Yr | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | | | | | | | | | | | | | Outputs | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th></th> <th colspan="2">FY 2004</th> <th colspan="2">FY 2005</th> <th colspan="2">FY 2006</th> <th colspan="2">FY 2007</th> <th>To</th> <th>Totals</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Inputs</td> <td>10</td> <td>10</td> <td>10</td> <td>5</td> <td>5</td> <td>5</td> <td>4</td> <td>4</td> <td></td> <td></td> <td>178</td> </tr> <tr> <td>Outputs</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>5</td> <td>5</td> <td>5</td> <td>4</td> <td></td> <td></td> <td>178</td> </tr> </tbody> </table> | | | | | | | | | | | | | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | To | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | 10 | 10 | 10 | 5 | 5 | 5 | 4 | 4 | | | 178 | Outputs | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 4 | | | 178 | | | |
| | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | To | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 10 | 10 | 10 | 5 | 5 | 5 | 4 | 4 | | | 178 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | 10 | 10 | 10 | 10 | 5 | 5 | 5 | 4 | | | 178 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Cntr/Depot Contract Dates: FY 1999 N/A Delivery Date: FY 1999 N/A ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 12 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | Date | February 2000 | | | | | |
|---|-------------------|----|---------|----|---------|-----|---------|-----|---------|-----|---------|-----|---------|---|---------------|-----|-----|----|-------|------|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | Battlefield Combat Identification System 1-98-05-4546 | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| BCIS Kits | | | | | 30 | 1.9 | 40 | 2.6 | 40 | 2.6 | 40 | 2.6 | 20 | 1.3 | 8 | 0.5 | | | 178 | 11.6 |
| Equipment | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| NOTE: Application costs are included in procurement unit cost | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | | | | 1.9 | | 2.6 | | 2.6 | | 2.6 | | 1.3 | | 0.5 | | | | 11.6 |
| Total Procurement Cost | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|---------------------|---|---|---------|---|---|---|---------|---|---|---|---------|------|-------|----------------|---------------------|---|---|---------|--|--|--|---------|--|--|--|---------|--|--|------|---------|--|--|--|--------|---|---|---|---|---|---|---|---|-------------------------|-----|---|---|---|---|---|---|----------|---|---|---|--------|--|--|---------------------------------|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------------------------|-----|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| MODIFICATION TITLE: Armor tiles 1-84-05-4038 | | | | | | | | | | | | | | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M2A2 (IFV) / M3A2 (CFV) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DESCRIPTION / JUSTIFICATION:</p> <p>Armor Tiles are one of the High Survivability improvements to the BFVS. The tiles provide increased armor protection for shaped charge threats, including hand held heat and other classes of warheads as specified in the BFVS material need area. There are 5 configurations of tiles covering the vehicle front, sides and turret. The FY99 budget includes \$700 thousand of additional funds separately appropriated for Armor Tile.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%; text-align: center;"><u>PLANNED</u></th> <th style="width: 10%; text-align: center;"><u>ACCOMPLISHED</u></th> <th colspan="12"></th> </tr> <tr> <td></td> <td style="text-align: center;">3Q90</td> <td style="text-align: center;">3Q90</td> <td colspan="12"></td> </tr> </thead> <tbody> <tr> <td>Critical Design Review:</td> <td style="text-align: center;">N/A</td> <td></td> <td colspan="12"></td> </tr> <tr> <td>Contractor Test and Evaluation:</td> <td style="text-align: center;">N/A</td> <td></td> <td colspan="12"></td> </tr> <tr> <td>Development Test and Evaluation:</td> <td style="text-align: center;">N/A</td> <td></td> <td colspan="12"></td> </tr> <tr> <td>Initial Operational Test and Evaluation:</td> <td style="text-align: center;">2Q92</td> <td style="text-align: center;">2Q93</td> <td colspan="12"></td> </tr> <tr> <td>IPR Production Decision:</td> <td style="text-align: center;">N/A</td> <td></td> <td colspan="12"></td> </tr> <tr> <td>TDP Available</td> <td></td> <td></td> <td colspan="12"></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | <u>PLANNED</u> | <u>ACCOMPLISHED</u> | | | | | | | | | | | | | | 3Q90 | 3Q90 | | | | | | | | | | | | | Critical Design Review: | N/A | | | | | | | | | | | | | | Contractor Test and Evaluation: | N/A | | | | | | | | | | | | | | Development Test and Evaluation: | N/A | | | | | | | | | | | | | | Initial Operational Test and Evaluation: | 2Q92 | 2Q93 | | | | | | | | | | | | | IPR Production Decision: | N/A | | | | | | | | | | | | | | TDP Available | | | | | | | | | | | | | | |
| | <u>PLANNED</u> | <u>ACCOMPLISHED</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3Q90 | 3Q90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical Design Review: | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contractor Test and Evaluation: | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development Test and Evaluation: | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Initial Operational Test and Evaluation: | 2Q92 | 2Q93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPR Production Decision: | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TDP Available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Installation Schedule:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Pr Yr</th> <th colspan="4" style="width: 20%;">FY 1999</th> <th colspan="4" style="width: 20%;">FY 2000</th> <th colspan="4" style="width: 20%;">FY 2001</th> <th colspan="4" style="width: 20%;">FY 2002</th> <th colspan="4" style="width: 20%;">FY 2003</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | | | | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Pr Yr</th> <th colspan="4" style="width: 20%;">FY 2004</th> <th colspan="4" style="width: 20%;">FY 2005</th> <th colspan="4" style="width: 20%;">FY 2006</th> <th colspan="4" style="width: 20%;">FY 2007</th> <th colspan="4" style="width: 20%;">Totals</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>Complete</td><td></td><td></td><td></td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | | | Inputs | | | | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>METHOD OF IMPLEMENTATION: Troop Installed</p> <p>Contract Dates: FY 1999 Feb 99 ADMINISTRATIVE LEADTIME: FY 2000 PRODUCTION LEADTIME: 6 Months</p> <p>Delivery Date: FY 1999 FY 2000 FY 2001 FY 2001</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | February 2000 | | | | | | |
|---|-------------------|------|---------|------|---------|------|---------|----|---------|----|---------|----|---------|--------------------------|---------|----|-----|----|-------|-------|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | Armor tiles 1-84-05-4038 | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | 4.0 | | | | | | | | | | | | | | | | | | 4.0 |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | 246 | 56.5 | 56 | 14.0 | 70 | 19.0 | | | | | | | | | | | | | 372 | 89.5 |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring Engineering Change Orders | | 0.5 | | | | | | | | | | | | | | | | | | 0.5 |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | 15.1 | | 2.7 | | 5.6 | | | | | | | | | | | | | | 23.4 |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | | | | | | | | | | | | | | | | | | |
| Total Procurement Cost | 72.1 | | 16.7 | | 24.6 | | | | | | | | | | | | | | | 113.5 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | |
|---|-------------------|----|---------|----|---------|----|---------|------|---------|------|---------|----|---------|----|---------|----|-----|----|-------|------|
| M2A2ODS to M3A2ODS Conversion 1-99-05-4564 | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | | | | | 69 | 17.1 | 62 | 18.0 | | | | | | | | | 131 | 35.0 |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| NOTE: Application costs are included in procurement unit cost | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | | | | | | 17.1 | | 18.0 | | | | | | | | | | 35.0 |
| Total Procurement Cost | | | | | | | | | | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | February 2000 |
| PROCUREMENT OF WPNS & TRKD CMBT VEHs / 1 / Tracked Combat Vehicles | | | | | | | | | | | | |
| P-1 Item Nomenclature: | | | | | | | | | | | | HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400) |
| Program Elements for Code B Items: | | | | | | | | | | | | |
| Code: | | | | | | | | | | | | |
| Other Related Program Elements: | | | | | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | | | | | | | | | | | | |
| Gross Cost | 1223.7 | 100.4 | 74.0 | 11.2 | 26.8 | 8.1 | 5.3 | 13.9 | 20.1 | 4.0 | 0.0 | 1487.4 |
| Less PY Adv Proc | 16.3 | | | | | | | | | | | 16.3 |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 1207.4 | 100.4 | 74.0 | 11.2 | 26.8 | 8.1 | 5.3 | 13.9 | 20.1 | 4.0 | 0.0 | 1471.1 |
| Initial Spares | 5.9 | 6.4 | 0.7 | | | | | | | | | 12.9 |
| Total Proc Cost | 1213.2 | 106.8 | 74.6 | 11.2 | 26.8 | 8.1 | 5.3 | 13.9 | 20.1 | 4.0 | 0.0 | 1484.0 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |

DESCRIPTION:
Funds the procurement of approved modifications to the 155MM Self-Propelled Howitzer. The fiscal program identified herein completes production and fielding of the M109A6 Paladin Howitzer.

COOPERATIVE AGREEMENTS:
The Government of the United States of America, as represented by the Department of the Army (DA), and the Government of Israel (GOI), as represented by the Ministry of Defense (MOD), agreed to cooperate on a joint development project to improve the M109 Series 155MM Self-Propelled Howitzer in November 1985. This program incorporated already developed items, together with items which were developed under contract, into prototype M109s. DA and MOD supplied their own M109s for prototype work. GOI funding for its share of the program was \$30.7 million over Fiscal Years (FY) 1986-1990. The US Howitzer is currently in the full scale production phase and has been named the M109A6 Paladin. The US/Israeli Joint Development Agreement has expired effective with the Paladin Milestone III, Full Scale Production Decision. The system developer, BMY, a Division of Harsco Corporation, was awarded a full scale engineering development contract in October 1985, and a low rate production contract in September 1990. In April 1993, FMC Corporation (now known as United Defense, Limited Partnership, Paladin Production Division) won a competitive multiyear procurement contract for full scale production of remaining Paladin requirements during FY1993-1998 programs. A FY00 contract is expected in May 2000 for a limited quantity of systems.

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | Date | |
|--|--|---|---------|--------------------------------|---------|---------|---------|---------|---------|------|---------|
| Appropriation / Budget Activity/Serial No. | | P-1 Item Nomenclature | | February 2000 | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | HOWITZER, MED SP FT 155MM M109A6 (MOD) (GA0400) | | | | | | | | | |
| Program Elements for Code B Items | | Code | | Other Related Program Elements | | | | | | | |
| Description | | Fiscal Years | | | | | | | | | |
| OSIP NO. | Classification | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total |
| 1-81-05-1002 | Howitzer Improvement Program Unclassified | 1,378.3 | 11.2 | 26.8 | 8.1 | 5.3 | 13.9 | 20.1 | 4.0 | 0.0 | 1,467.7 |
| 1-96-05-1003 | Chlorofluorocarbon (CFC Elimination) Unclassified | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 |
| Totals | | 1,381.7 | 11.2 | 26.8 | 8.1 | 5.3 | 13.9 | 20.1 | 4.0 | 0.0 | 1,471.1 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|------------|----|--------------------------------|---------|------------|---|------------|---------|---------------|---|------------------------------------|---------|---|---|--------------------------------|-------------|---|---|-----------------|---------|---------|--|---------|---------|---------|--|---------|-------------|---------|---|----------------|---|---------|---|---------|---|---------|---|---------|---|---------|---|---|---|------------|---|------------|---|------------|---|------------|--------|------------|---|---|---|---|---|---|---|---|---|---------|---|---|---|---|---|---|---|---|---|--------|-----|--|--|--|--|--|-----|--------|--|--|--|--|--|--|--|--|--|--|--|--|---------|-----|----|----|-----|--|--|--|--|--|--|--|---|--|---|---|--|--|--|--|--|
| Date | | | | | | | | | | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE: Howitzer Improvement Program 1-81-05-1002 MODELS OF SYSTEMS AFFECTED: Howitzer, MED SP 155MM M109 Ser (MOD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>The M109A6 Paladin, approved for full scale production, has been designed to upgrade the M109A2/A3 Howitzer's responsiveness, effectiveness, survivability, and Reliability, Availability, and Maintainability-Durability (RAM-D). This meets the user's urgent need for a product improved system that satisfies the deficiencies cited in these areas by the Mission Element Need Statement (MENS), approved by the Secretary of Defense in December 1980. The production phase of the program involves a combined effort between Letterkenny Army Depot and the contractor. M109A2/A3 Howitzers from CONUS and OCONUS field units are being shipped to Letterkenny Army Depot. Letterkenny removes traverse mechanism, disassembles the howitzer, reconditions turret components to be reset in the new turret, and overhauls/modifies the chassis to the Paladin configuration. The reconditioned turret components, and the overhauled/modified chassis with the new M284 Cannon and M182 Gun Mount manufactured by Watervliet and Rock Island Arsenal, respectively, are shipped to the contractor for final integration, assembly, and acceptance testing. The acquisition strategy for the FY89/90-92 called for sole source contracts. An FY93-96 competitive multiyear production contract was awarded to UDLP in April 1993. In April 1997, a contract modification was awarded to the existing multiyear production contract for an additional 37 M109A6 Paladins. An FY98 contract option for 36 vehicles was awarded in November 1997 and a FY00 contract is expected to be awarded in May 2000 for 7 additional systems.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: <p>The M109A6 was approved for entry into full scale development in November 1984. At that time, DA decided to modify M109A2/A3 Howitzers to a HIP configuration. It was decided to merge the Howitzer Extended Life Program (HELP) into the HIP where kits from both programs would be applied to the M109A2/A3 Howitzer. The improved 155MM Self-Propelled Howitzer was approved for Type-Classification Low Rate Production (TC-LRP) and designated the M109A6 Howitzer following a Milestone III - A ASARC on 7 February 1990. In March 1993 a Milestone III Pre-ASARC review was chaired by the Assistant Secretary of the Army for Research, Development and Acquisition, and the M109A6 Paladin was approved for Type Classification-Standard and full rate production and deployment. This Milestone III is documented in Acquisition Decision Memorandum dated 9 April 1993. The Paladin production program completed deliveries of the multi-year contract ahead of schedule. Deliveries from the FY00 contract are expected to be completed 2nd Qtr FY02.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: <table border="1"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> </tr> <tr> <td>Inputs</td> <td>950</td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td>845</td><td>45</td><td>37</td><td>23</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td>7</td> <td></td><td>2</td><td>5</td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | 950 | | | | | | | | | | | | | | | | | | | | Outputs | 845 | 45 | 37 | 23 | | | | | | | | 7 | | 2 | 5 | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | 845 | 45 | 37 | 23 | | | | | | | | 7 | | 2 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th rowspan="2">To Complete</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>957</td> </tr> <tr> <td>Totals</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>957</td> </tr> </tbody> </table> | | | | | | | | | | | | | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | To Complete | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | 957 | Totals | | | | | | | | | | | | | | | | | 957 | | | | | | | | | | | | | | | | |
| | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | To Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | 957 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | 957 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: <table border="1"> <thead> <tr> <th colspan="4">ADMINISTRATIVE LEADTIME: 24 Months</th> <th colspan="4">PRODUCTION LEADTIME: 24 Months</th> </tr> <tr> <th colspan="2">Contract Dates:</th> <th colspan="2">FY 1999</th> <th colspan="2">FY 2000</th> <th colspan="2">FY 2001</th> <th colspan="2">FY 2002</th> <th colspan="2">FY 2003</th> </tr> <tr> <th colspan="2">Delivery Date:</th> <th colspan="2">FY 1999</th> <th colspan="2">FY 2000</th> <th colspan="2">FY 2001</th> <th colspan="2">FY 2002</th> <th colspan="2">FY 2003</th> </tr> </thead> <tbody> <tr> <td colspan="2"></td> <td colspan="2">Enter Date</td> <td colspan="2">Enter Date</td> <td colspan="2">Enter Date</td> <td colspan="2">Enter Date</td> <td colspan="2">Enter Date</td> </tr> </tbody> </table> | | | | | | | | | | | | ADMINISTRATIVE LEADTIME: 24 Months | | | | PRODUCTION LEADTIME: 24 Months | | | | Contract Dates: | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | Delivery Date: | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | Enter Date | | Enter Date | | Enter Date | | Enter Date | | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: 24 Months | | | | PRODUCTION LEADTIME: 24 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Enter Date | | Enter Date | | Enter Date | | Enter Date | | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | Date | February 2000 | | | | | | | |
|----------------------------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|-----------|----------|---|---------------|--|--|--|--|--|--|--|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | Howitzer Improvement Program 1-81-05-1002 | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 Qty | FY 1998 \$ | FY 1999 Qty | FY 1999 \$ | FY 2000 Qty | FY 2000 \$ | FY 2001 Qty | FY 2001 \$ | FY 2002 Qty | FY 2002 \$ | FY 2003 Qty | FY 2003 \$ | FY 2004 Qty | FY 2004 \$ | FY 2005 Qty | FY 2005 \$ | TC Qty | TC \$ | TOTAL Qty | TOTAL \$ | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RDT&E | | 149.4 | | | | | | 2.5 | | 4.6 | | | | | | | | | | 156.5 | | | | | | | |
| PROCUREMENT | 950 | | | | 7 | | | | | | | | | | | | | | | 957 | | | | | | | |
| Kit Quantity | | 772.6 | | 1.7 | | 11.1 | | 5.4 | | 0.1 | | 0.0 | | | | | | | | 790.9 | | | | | | | |
| Equipment | | 244.1 | | 1.2 | | 0.0 | | | | | | | | | | | | | | 245.3 | | | | | | | |
| Equipment, Nonrecurring | | 115.0 | | 0.1 | | 1.5 | | | | | | | | | | | | | | 116.6 | | | | | | | |
| Engineering Change Orders | | 86.6 | | 3.4 | | 5.1 | | | | | | | | | | | | | | 95.0 | | | | | | | |
| Matrix Personnel Support | | 13.1 | | 0.3 | | | | | | | | | | | | | | | | 13.4 | | | | | | | |
| Data | | 14.1 | | | | | | | | | | | | | | | | | | 14.1 | | | | | | | |
| Training Equipment | | 10.2 | | | | 1.1 | | | | | | | | | | | | | | 11.3 | | | | | | | |
| Vehicular Intercom System | | 5.1 | | | | 0.4 | | | | | | | | | | | | | | 5.5 | | | | | | | |
| Other | | 18.0 | | 0.7 | | 4.1 | | 0.6 | | 0.0 | | | | | | | | | | 23.4 | | | | | | | |
| Project Mgmt Admin | | 25.7 | | 3.9 | | 1.0 | | 1.9 | | | | | | | | | | | | 32.5 | | | | | | | |
| Fielding | | | | | | 0.0 | | | | | | | | | | | | | | 0.0 | | | | | | | |
| Battlefield Combat ID System | | | | | | | | | | | | 2.0 | | 4.2 | | | | | | 6.2 | | | | | | | |
| MACS Stowage and Handling | | | | | | | | 0.0 | | 0.2 | | 0.2 | | 0.2 | | | | | | 0.5 | | | | | | | |
| Battery Guard System | | | | | | | | | | | | 5.9 | | 6.0 | | | | | | 11.9 | | | | | | | |
| Laser Ignition System | | | | | | | | 0.1 | | 5.0 | | 5.8 | | 9.8 | | 4.0 | | | | 24.7 | | | | | | | |
| Fire Control Upgrade | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | 950 | 73.8 | | | | | | | | | | | | | | | | 950 | 73.8 | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | 7 | 2.5 | | | | | | | | | | | | 7 | 2.5 | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Installment | 950 | 73.8 | | | 7 | 2.5 | | | | | | | | | | | | 957 | 76.3 | | | | | | | | |
| Total Procurement Cost | | 1378.3 | | 11.2 | | 26.8 | | 8.1 | | 5.3 | | 13.9 | | 20.1 | | 4.0 | | | 1467.7 | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | Date | February 2000 | | | | | |
|--|--------|---------|---|----|-----|---------|-----|-----|-----|---------|---|---|----|---------|------|---------------|---|---------|-----|--|--|
| MODIFICATION TITLE: Chlorofluorocarbon (CFC Elimination) 1-96-05-1003 | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M109A6 Paladin Howitzer | | | | | | | | | | | | | | | | | | | | | |
| • | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | | | | |
| <p>References: DOD Directive 6050.0; Policy Letter 200.90-1; AMC Regulation 70-68; Montreal Protocol of 1986.</p> <p>The previous references mandate the replacement of R-12 FREON, used in the current M109A6 Paladin's Microclimatic Conditioning System (MCS), with a non-chlorofluorocarbon (CFC) substitute.</p> | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | | | | | |
| <p>Request for Proposal - 3QFY97</p> <p>Vendor Selected - 1QFY98</p> <p>Joint Government/Contractor Test and Evaluation - 3QFY98 and ongoing</p> <p>IPR Production Decision/Contract Modification - 2QFY99</p> <p>TDP Available - 2QFY99</p> | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | |
| Inputs Outputs | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | |
| | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | |
| | | | | 34 | 223 | 225 | 225 | 208 | 35 | | | | | | | | | | | | |
| Inputs Outputs | | | | 34 | 188 | 204 | 165 | 186 | 130 | | | | 37 | 6 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Inputs Outputs | | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 950 | 950 | | |
| METHOD OF IMPLEMENTATION: Field Retrofit | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div> <p>Contract Dates: FY 1999 Enter Date FY 1999 Enter Date</p> <p>Delivery Date: FY 1999 Enter Date</p> </div> <div> <p>ADMINISTRATIVE LEADTIME: 24 Months</p> <p>FY 2000 Enter Date FY 2000 Enter Date</p> </div> <div> <p>PRODUCTION LEADTIME: 24 Months</p> <p>FY 2001 Enter Date FY 2001 Enter Date</p> </div> </div> | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | Date | | February 2000 | | | | |
|--|----------------------|-----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|------|---------|---------------|-----|----|-------|-----|
| MODIFICATION TITLE (Cont): Chlorofluorocarbon (CFC Elimination) 1-96-05-1003 | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | 950 | | | | | | | | | | | | | | | | | | 950 | |
| Hardware | | 2.0 | | | | | | | | | | | | | | | | | | 2.0 |
| Testing | | 0.2 | | | | | | | | | | | | | | | | | | 0.2 |
| Project Management | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 950 | 1.3 | | | | | | | | | | | | | | | | | 950 | 1.3 |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | 950 | 1.3 | | | | | | | | | | | | | | | | | 950 | 1.3 |
| Total Procurement Cost | | 3.4 | | | | | | | | | | | | | | | | | | 3.4 |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKO CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | FAASV PIP TO FLEET (GA8010) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| Code: A | | | | | | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 73.0 | 23.5 | 1.8 | 3.1 | 0.2 | 0.0 | 18.4 | 2.1 | 8.4 | 0.1 | 0.0 | 130.6 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 73.0 | 23.5 | 1.8 | 3.1 | 0.2 | 0.0 | 18.4 | 2.1 | 8.4 | 0.1 | 0.0 | 130.6 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 73.0 | 23.5 | 1.8 | 3.1 | 0.2 | 0.0 | 18.4 | 2.1 | 8.4 | 0.1 | 0.0 | 130.6 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |

DESCRIPTION:
Funds the procurement of approved modifications to the M992 and M992A1 Field Artillery Ammunition Support Vehicle.

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | | | | | |
|--|----------------|--|--|--|--|-----------------------|---------|--------------------------------|---------|---------|---------|---------|---------|-----|-------|
| Appropriation / Budget Activity/Serial No. | | | | | | Date | | February 2000 | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHs / 1 / Tracked Combat Vehicles | | | | | | P-1 Item Nomenclature | | FAASV PIP TO FLEET (GA8010) | | | | | | | |
| Program Elements for Code B Items | | | | | | Code | | Other Related Program Elements | | | | | | | |
| | | | | | | A | | | | | | | | | |
| Description | | | | | | Fiscal Years | | | | | | | | | |
| OSIP NO. | Classification | | | | | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total |
| FAASV Materiel Change (A2 Conversion) | | | | | | 95.4 | 2.8 | 0.2 | 0.0 | 18.4 | 2.1 | 3.9 | 0.1 | 0.0 | 122.9 |
| 1-93-05-4457 | Unclassified | | | | | | | | | | | | | | |
| FAASV Halon Replacement | | | | | | 2.8 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 | 7.6 |
| 1-94-05-4477 | Unclassified | | | | | | | | | | | | | | |
| Totals | | | | | | 98.2 | 3.1 | 0.2 | 0.0 | 18.4 | 2.1 | 8.4 | 0.1 | 0.0 | 130.6 |

| | | | | | | | | | | | | | |
|---|-----|---------|----|---------|---|---------|---|---------|---|---------|---|--------|---------------|
| INDIVIDUAL MODIFICATION | | | | | | | | | | | | Date | February 2000 |
| MODIFICATION TITLE: FAASV Materiel Change (A2 Conversion) 1-93-05-4457 | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: FAASV M992A0 and M992A1 | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: The FAASV materiel change encompasses the previously approved FAASV HELP (Howitzer Extended Life Program) and Survivability Materiel Changes. The materiel change incorporates M109 Family of Vehicles improvements into the FAASV in order to maintain a common chassis. These improvements include the Low Heat Rejection/Cold Start Engine, improved XTG 411-4 Transmission, Reliability, and Maintainability (RAM) improvements to the cooling, electrical, and suspension systems, relocated heater and hydraulic reservoir, stronger fuel cell, and modifications to provide interoperability with the M109A6 Paladin Howitzer. The enhancements provided by the materiel change will permit the FAASV crew to operate in the same environment as the M109A6 Paladin. This means the operation and maintenance features will be common and the FAASV cold starting and RAM features will be comparable. The modifications to the rear door conveyor and propellant racks will improve M109A6 supportability. Funding against Depot Maintenance Pre-Modification in FY99 pays the Inspect and Repair Only As Necessary (IROAN) upgrade effort for the completion of the European Conversion Program. | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: <div style="display: flex; justify-content: space-between;"> <div> Preliminary Design Review - 1QFY91 Critical Design Review - 4QFY91 Contractor Test and Evaluation - 2QFY93 IPR Production Design - 3QFY93 TDP Available - 3QFY93 M992A2 First Delivery - 3QFY93 </div> <div> M992A2 First Unit Equipped - 1QFY95 </div> </div> | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | |
| | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | |
| Pr Yr | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Totals | 757 | 18 | 14 | | | | | | | | | | |
| Inputs | 732 | 28 | 24 | 5 | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| | | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | To | | Totals | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete |
| Inputs | | | | | | | | | | | | | 789 |
| Outputs | | | | | | | | | | | | | 789 |
| METHOD OF IMPLEMENTATION: Contract Dates: FY 1999 Enter Date FY 2000 Enter Date FY 2001 Enter Date FY 2001 Enter Date 24 Months Delivery Date: FY 1999 Enter Date FY 2000 Enter Date FY 2001 Enter Date FY 2001 Enter Date 24 Months | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | February 2000 | | |
|--|----------------------|------|---------|-----|---------|-----|---------|----|---------|----|---------|-----|---------|-----|---------|-----|-----|---------------|-------|-------|
| FAASV Materiel Change (A2 Conversion) 1-93-05-4457 | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | 789 | | | | | | | | | | | | | | | | | | 789 | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | 45.1 | | | | | | | | | | | | | | | | | | 45.1 |
| Installation Kits | | 10.3 | | | | | | | | | | | | | | | | | | 10.3 |
| Engineering Change Orders | | 1.3 | | | | | | | | | | | | | | | | | | 3.1 |
| Project Management Admin | | 0.3 | | 1.7 | | 0.1 | | | | | | | | | | | | | | 0.3 |
| Testing | | 0.3 | | | | | | | | | | | | | | | | | | 6.2 |
| Fielding Support | | 5.9 | | 0.3 | | | | | | | | | | | | | | | | 0.8 |
| Depot Maint Pre Modification | | | | 0.8 | | | | | | | | | | | | | | | | 18.2 |
| Auxiliary Power Unit | | | | | | | | | 18.2 | | | | | | | | | | | 0.1 |
| Battlefield Combat ID System | | | | | | 0.1 | | | 0.1 | | | | | | | | | | | 0.5 |
| Defense Adv GPS Receiver | | | | | | | | | 0.2 | | | | | | | | | | | 0.5 |
| Battery Guard System | | | | | | | | | | | | | | | | | | | | 5.3 |
| MACS Stowage and Handling | | | | | | | | | | | | | | | | | | | | 7.1 |
| Vehicular Intercom System | | 7.1 | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | 789 | 25.5 | | | | | | | | | | | | | | | | | 789 | 25.5 |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installation | 789 | 25.5 | | | | | | | | | | | | | | | | | 789 | 25.5 |
| Total Procurement Cost | | 95.4 | | 2.8 | | 0.2 | | | 18.4 | | | 2.1 | | 3.9 | | 0.1 | | | | 122.9 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|------------|----------------------|------------|------------|-----|-----|-----|---------|-----|-----|-----|---------|---------------|-----------------|---------|-------------|---------|------------|----------------|---------|------------|---------|------------|--------------------------|---|--------|----------------------|---|--------|--|---------|------------|--|---------|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|----------------|--|--|----|----|----|----|-----|-----|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|---------|--|--|--|---------|--|--|--|---------|--|--|--|---------|--|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| | | | | | | | | | | | | | | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE: FAASV Halon Replacement 1-94-05-4477 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: FAASV M992A2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>References: DOD Directive 6050.0; DA Policy Letter 200.0.1; AMC Regulation 70-68; Montreal Protocol of 1986 and Presidential Directive.</p> <p>These references mandate the replacement of Halon charged fire suppression systems to prevent ozone depletion. A common replacement agent engine compartment fire extinguishing system is required on 927 FAASV systems. FY97-99 funds have been appropriated to initiate the conversion process by replacing the fire suppression distribution system in the FAASV engine compartment with one suitable to both Halon and the selected alternate agent. FY04 funds have been appropriated to swap out the Halon bottles to the selected alternate agent for 927 FAASV systems.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: <p>Preliminary Design Review - 1QFY98 Critical Design Review - 1QFY98 Joint Government Contractor Test and Evaluation - 1QFY98 IPR Production Decision - 4QFY98 TDP Available - 4QFY98 First Unit Installed - 2QFY99</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td>20</td><td>30</td><td>40</td><td>80</td> <td>100</td><td>100</td><td>100</td><td>150</td> <td>200</td><td>200</td><td>207</td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td>20</td><td>30</td> <td>40</td><td>80</td><td>100</td><td>100</td> <td>100</td><td>150</td><td>200</td><td>207</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th rowspan="2">To Complete</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> <tr> <td>Totals</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>927</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | 20 | 30 | 40 | 80 | 100 | 100 | 100 | 150 | 200 | 200 | 207 | | | | | | | | | | Outputs | | | 20 | 30 | 40 | 80 | 100 | 100 | 100 | 150 | 200 | 207 | | | | | | | | | | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | To Complete | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 927 |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 20 | 30 | 40 | 80 | 100 | 100 | 100 | 150 | 200 | 200 | 207 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | 20 | 30 | 40 | 80 | 100 | 100 | 100 | 150 | 200 | 207 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | To Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 927 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: <table style="width: 100%;"> <tr> <td style="width: 25%;">Contract Dates:</td> <td style="width: 25%;">FY 1999</td> <td style="width: 25%;">Enter Date</td> <td style="width: 25%;">FY 2000</td> <td style="width: 25%;">Enter Date</td> </tr> <tr> <td>Delivery Date:</td> <td>FY 1999</td> <td>Enter Date</td> <td>FY 2000</td> <td>Enter Date</td> </tr> </table> <table style="width: 100%;"> <tr> <td style="width: 25%;">ADMINISTRATIVE LEADTIME:</td> <td style="width: 25%;">1</td> <td style="width: 25%;">Months</td> <td style="width: 25%;">PRODUCTION LEADTIME:</td> <td style="width: 25%;">3</td> <td style="width: 25%;">Months</td> </tr> <tr> <td></td> <td>FY 2001</td> <td>Enter Date</td> <td></td> <td>FY 2001</td> <td>Enter Date</td> </tr> </table> | | | | | | | | | | | | | | | Contract Dates: | FY 1999 | Enter Date | FY 2000 | Enter Date | Delivery Date: | FY 1999 | Enter Date | FY 2000 | Enter Date | ADMINISTRATIVE LEADTIME: | 1 | Months | PRODUCTION LEADTIME: | 3 | Months | | FY 2001 | Enter Date | | FY 2001 | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: | FY 1999 | Enter Date | FY 2000 | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: | FY 1999 | Enter Date | FY 2000 | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: | 1 | Months | PRODUCTION LEADTIME: | 3 | Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FY 2001 | Enter Date | | FY 2001 | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | February 2000 | |
|--------------------------------------|-----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|-----|----|---------------|-----|
| FAASV Halon Replacement 1-94-05-4477 | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | |
| FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| 927 | | | | | | | | | | | | | | | | | | 927 | |
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| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|--|---------------|
| Appropriation / Budget Activity/Serial No: | | P-1 Item Nomendature: | | | | | | | | | | IMPROVED RECOVERY VEHICLE (M88 MOD) (GA0570) | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | Other Related Program Elements: | | | | | | | | | | | |
| Program Elements for Code B Items: | | Code: | | | | | | | | | | | |
| | | A | | | | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | 52 | 24 | 10 | 16 | | 24 | 21 | | 22 | 24 | | 193 | |
| Gross Cost | 119.5 | 55.5 | 32.0 | 53.6 | | 68.4 | 67.8 | | 73.1 | 74.2 | | 544.1 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 119.5 | 55.5 | 32.0 | 53.6 | | 68.4 | 67.8 | | 73.1 | 74.2 | | 544.1 | |
| Initial Spares | 1.5 | 2.0 | | | | 2.8 | 2.8 | | 2.9 | 3.0 | | 15.1 | |
| Total Proc Cost | 121.0 | 57.5 | 32.0 | 53.6 | | 71.2 | 70.6 | | 76.0 | 77.2 | | 559.2 | |
| Flyaway UIC | | | | | | | | | | | | | |
| Wpn Sys Proc UIC | 2.3 | 2.3 | 3.2 | 3.3 | | 2.8 | 3.2 | | 3.3 | 3.1 | | 2.8 | |

DESCRIPTION: The M88A2 HERCULES is an armored, full-tracked, diesel-powered, recovery vehicle configured with an A-frame boom, three winches, and a spade. The boom has a 35 ton lift capacity and the main winch has a constant pull capacity of 70 tons. The hull is armored for protection against small arms fire, artillery fragments and anti-personnel mines. The vehicle mounts a caliber .50 machine gun for self-protection. The M88A2 HERCULES is capable of performing recovery, evacuation, and limited repair of the main battle tank.

JUSTIFICATION: The FY01 funding will be used to produce 24 M88A2 HERCULES utilizing the existing M88A1 chassis as the base vehicle and increasing the horsepower, braking/steering, winch, lift and suspension characteristics which will allow the safe recovery of Abrams tanks. The fielded M88A1 lacks the necessary horsepower and braking to safely support the recovery of the Abrams fleet. Improvements incorporated into HERCULES fix these operational shortcomings. In addition, the increased winching and lifting capability accommodate all Abrams tank models including the 70-ton M1A2. Without the improvements incorporated in the HERCULES, units must use two or three recovery vehicles (or another Abrams to tow a disabled tank) to perform the spectrum of recovery missions.

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | P-1 Line Item Nomenclature: IMPROVED RECOVERY VEHICLE (M88 MOD) (GA0570) | | Weapon System Type: | | Date: February 2000 | |
|---|----|--|------|--|-----------|---------------------|----------|------------------------|------|
| Cost Elements | | FY 98 | | FY 99 | | FY 00 | | FY 01 | |
| ID | CD | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty |
| | | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each |
| 1. Vehicle Manufacturing - Contractor | A | | | | 30648 | 16 | 1916 | 47936 | 24 |
| 2. Vehicle Manufacturing - GFE | | | | | 2098 | *16 | VAR | 3002 | *24 |
| 3. Contractor Engineering | | | | | 4402 | | | 3269 | |
| 4. Engineering Change Orders | | | | | | | | 1460 | |
| 5. Project Management - Core | | | | | 3036 | | | 1665 | |
| 6. Project Management - OGA | | | | | 2203 | | | 1167 | |
| 7. Transportation | | | | | 45 | | | 59 | |
| 8. Fielding | | | | | 2562 | | | 1136 | |
| 9. Testing | | | | | 345 | | | 751 | |
| 10. Depot Maintenance - Premodification | | | | | 1007 | | | 2092 | |
| 11. Fleet Retrofit (Block I & II ECP's) | | | | | 5342 | | | | |
| 12. Track and Cleat ECP | | | | | 1900 | | | 5848 | |
| 13. Depot Maintenance Work Requirements | | | | | 53588 | | | 68385 | |
| TOTAL | | | | | | | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: | February 2000 | | | | | | | | | | |
|---|--|-------------------------|--|---|--|-----------------|--|---------------|--|------------------------|---------------|----------|--|-----------------|--|------------------|--|-----------------|--|----------------|--|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked | | Weapon System Type: | | P-1 Line Item Nomenclature: IMPROVED RECOVERY VEHICLE (M88 MOD) (GA0570) | | | | | | | | | | | | | | | | | |
| WBS Cost Elements: Fiscal Years | | Contractor and Location | | Contract Method and Type | | Location of PCO | | Award Date | | Date of First Delivery | | QTY Each | | Unit Cost \$000 | | Specs Avail Now? | | Date Revm Avail | | RFP Issue Date | |
| 1. Vehicle Manufacturing - Contractor FY 99 | | UDLP (1) | | SS-FFP | | TACOM | | Nov-98 {2} | | Feb-00 | | 16 | | 1916 | | YES | | | | Sep 98 | |
| FY 01 | | UDLP (1) | | SS-FFP | | TACOM | | Nov-00 {3} | | Feb-02 | | 24 | | 1997 | | YES | | | | Sep 00 | |
| 2. Vehicle Manufacturing - GFE FY 99 | | Various | | Reqn/PO | | Various | | Various | | | | 16 | | VAR | | YES | | | | | |
| FY 01 | | Various | | Reqn/PO | | Various | | Various | | | | 24 | | VAR | | YES | | | | | |
| REMARKS: <p>(1) UDLP - United Defense Limited Partnership</p> <p>(2) A contract was awarded November 1998 for Long Lead Material to accelerate the FY99 deliveries and mitigate a production break. Production contract was awarded March 1999.</p> <p>(3) A contract will be awarded November 2000 for Long Lead Material to accelerate the FY01 followed by a production contract award February 2001.</p> | | | | | | | | | | | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|------------|---------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKO CMBT VEHLS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | BREACHER SYSTEM (MOD) (GZ3200) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| Code: B | | | | | | | | | | | | | |
| 0604649A | | | | | | | | | | | | | |
| Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 0.0 | 0.0 | 0.0 | 19.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.5 | | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 0.0 | 0.0 | 0.0 | 19.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.5 | | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 0.0 | 0.0 | 0.0 | 19.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 19.5 | | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |

DESCRIPTION: The Grizzly (M1 Breacher) is developed around the M-1 Abrams tank chassis and integrated a versatile/survivable full-width mine clearing blade with automatic depth control, a power driven arm to reduce complex obstacles, and an armored commander's control station. The Grizzly provides the Combat Engineer with significantly improved mission effectiveness and crew/vehicle survivability while clearing minefields and removing complex natural and man-made obstacles at the forward edge of the battlefield. The Grizzly is capable of moving with, and as survivable as, the force it supports. It provides the maneuver force with the freedom required to successfully execute assigned ground combat mission requirements.

JUSTIFICATION: During Operation Desert Storm, it became evident that the Army did not have one vehicle capable of performing an in-stride, complex linear obstacle breach. The Grizzly was to provide a critical resource for executing in-stride breaches, supporting the Force XXI maneuver commander's goals of information and maneuver dominance on the battlefield. The Grizzly, a single, survivable breach platform, gives the Combat Engineer a capability that does not currently exist in today's complex obstacle breaching operations. All existing counterobstacle and countermine systems are single purpose only, and lack the mobility, protection and agility of the current maneuver force. The Grizzly possesses a complex obstacle reducing capability, with mobility, protection, and agility comparable to the M-1 Abrams Tank.

The Grizzly program has been terminated. The decision to terminate the program was based on an assessment of affordability and acceptance of operational risk against higher Army transformation priorities.

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | P-1 Line Item Nomenclature: BREACHER SYSTEM (MOD) (GZ3200) | | | | Weapon System Type: | | Date: February 2000 | |
|--|----|--|------|----------|-----------|---|----------|-----------|------|---------------------|-----------|------------------------|----------|
| Cost Elements | | FY 98 | | FY 99 | | FY 00 | | FY 01 | | | | | |
| ID | CD | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost |
| | | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 |
| 1. Vehicle Manufacturing - Contractor | | | | | | | | | | | | | |
| 2. Vehicle Manufacturing - ANAD | | | | | | | | | | | | | |
| 3. Vehicle Manufacturing - GFE | | | | | | | | | | | | | |
| 4. System Technical Support | | | | | | | | | | | | | |
| 5. Engineering Change Orders | | | | | | | | | | | | | |
| 6. Project Management Admin - Core | | | | | | | | | | | | | |
| 7. Project Management Admin - OGA | | | | | | | | | | | | | |
| 8. System Test & Evaluation | | | | | | | | | | | | | |
| 9. Initial Production Facilities | | | | | | | | | | | | | |
| 10. Fielding | | | | | | | | | | | | | |
| 11. Interim Transportation | | | | | | | | | | | | | |
| 12. Support Equipment | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| Note: FY00 program is being reassessed in light of the Army's transformation. | | | | | | | | | | | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: February 2000 |
|---|-------------------------|--------------------------|-----------------|------------|---|-------------|--------------------|------------------|-------------------|---------------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | Weapon System Type: | | | P-1 Line Item Nomenclature: BREACHER SYSTEM (MOD) (GZ3200) | | | | | |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date |
| 1. Initial Production Facilities* | | | | | | | | | | |
| REMARKS: Note: Funding planned for Initial Production Facilities in FY2000 will be adjusted to reflect the Army's transformation. | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | Date: | February 2000 | |
|--|-------------|---------|---|---------|---------|---------|---------|---------|---------|---------|---------------|------------|
| Appropriation / Budget Activity/Serial No: | | | P-1 Item Nomenclature: | | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMVT VEHS / 1 / Tracked Combat Vehicles | | | HEAVY ASSAULT BRIDGE (HAB) SYS (MOD) (GZ3250) | | | | | | | | | |
| Program Elements for Code B Items: | | | Other Related Program Elements: | | | | | | | | | |
| 64649 | | | B | | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | 2 | 6 | 6 | 6 | | | | | | | | 20 |
| Gross Cost | 14.6 | 51.4 | 40.4 | 50.0 | 81.9 | | | | | | | 238.3 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 14.6 | 51.4 | 40.4 | 50.0 | 81.9 | | | | | | | 238.3 |
| Initial Spares | | | 0.9 | 0.9 | 1.3 | | | | | | | 3.1 |
| Total Proc Cost | 14.6 | 51.4 | 41.3 | 50.8 | 83.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 241.3 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | 7.3 | 8.6 | 6.7 | 8.3 | | | | | | | | 7.8 |
| <p>DESCRIPTION: The Wolverine (Heavy Assault Bridge) is a 26 meter (79 feet) Military Load Class 70 bridge transported on a modified M1A2 System Enhancement Package (SEP) Abrams Tank chassis. The bridge is capable of spanning gaps up to 24 meters on both prepared and unprepared abutments and can be placed on a bearing surface over its entire length. It is launched under armor within five minutes and can be retrieved, from either end, in less than ten minutes. The Wolverine is operated by a crew of two soldiers and will be employed by Combat Engineer units in both offensive and defensive combined arms operations. Its mission is to provide gap crossing capability for heavy maneuver forces. It will support the Abrams Tank System and the Bradley Fighting Vehicle and is compatible with these systems in mobility and survivability.</p> <p>JUSTIFICATION: Operation Desert Storm illustrated that current Army bridging systems were lacking the mobility of the heavy maneuver force, gap spanning capability and required increased load capacity. The Wolverine replaces the Armored Vehicle Launched Bridge (AVLB) providing increased worldwide gap crossing capabilities, increased load capacity to support Military Load Class 70 vehicles and improved mobility, survivability, and logistics supportability. The Wolverine ensures the Brigade Combat Team's freedom of maneuver.</p> <p>The Wolverine program has been terminated. The decision to terminate the program was based on an assessment of affordability and acceptance of operational risk against higher Army transformation priorities.</p> | | | | | | | | | | | | |

| Exhibit P-5, Weapon WTCV Cost Analysis | | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | P-1 Line Item Nomenclature: HEAVY ASSAULT BRIDGE (HAB) SYS (MOD) (GZ3250) | | | Weapon System Type: | | | Date: February 2000 | | |
|---|--|--|--|-------------|-------------------|---|-------------|-------------------|---------------------|-------------|-------------------|------------------------|-------------|-------------------|
| Cost Elements | | | FY 98 | | | FY 99 | | | FY 00 | | | FY 01 | | |
| | | | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 |
| 1. Vehicle Manufacturing - Contractor | | | | | | 24218 | 6 | 4036 | | | | | | |
| 2. Vehicle Manufacturing - ANAD | | | | | | 782 | 6 | 130 | | | | | | |
| 3. Vehicle Manufacturing - GFE | | | | | | 3351 | 6 | 559 | | | | | | |
| 4. Contract Engineering | | | | | | 18507 | | | | | | | | |
| 5. Engineering Change Orders | | | | | | | | | | | | | | |
| 6. Project Mgmt Admin - Core | | | | | | 1134 | | | | | | | | |
| 7. Project Mgmt Admin - OGA | | | | | | 1678 | | | | | | | | |
| 8. New Equipment Training | | | | | | | | | | | | | | |
| 9. Total Package Fielding | | | | | | | | | | | | | | |
| 10. Transportation | | | | | | 308 | | | | | | | | |
| 11. Modifications | | | | | | | | | | | | | | |
| 12. Program Closeout TBD | | | | | | | | | | | 81901 | | | |
| TOTAL | | | | | | 49978 | | | | | 81901 | | | |
| FY00 program is being reassessed in light of the Army's transformation. | | | | | | | | | | | | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: | February 2000 |
|--|---|--------------------------|-----------------|------------|--|----------|-----------------|------------------|-------------------|----------------|---------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked | | Weapon System Type: | | | P-1 Line Item Nomenclature: HEAVY ASSAULT BRIDGE (HAB) SYS (MOD) (GZ3250) | | | | | | |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date | |
| 1. Vehicle Manufacturing - Contractor | General Dynamics Land Systems Lima, Ohio | SS-FFP M2 (2) | TACOM | Dec-98 | May-00 | 6 | 4036 | YES | | Aug 97 | |
| FY 99 | | | | | | | | | | | |
| 2. Vehicle Manufacturing - ANAD | Anniston Army Depot Anniston, Alabama | | | | | 6 | 130 | | | | |
| FY 99 | | | | | | | | | | | |
| 3. Vehicle Manufacturing - GFE | Government Furnished Equipment- Various | | | | | 6 | 559 | | | | |
| FY 99 | | | | | | | | | | | |
| REMARKS: FY00 program is being assessed in light of the Army's transformation. | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | Date: | February 2000 | |
|---|-------------|---------|---|---------|---------|---------|---------|---------|---------|---------|---------------|------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | P-1 Item Nonendurance: ARMORED VEH LAUNCH BRIDGE (AVLB) (MOD) (GZ3000) | | | | | | | | | |
| Program Elements for Code B Items: | | | Other Related Program Elements: | | | | | | | | | |
| | | | Code: | | A | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | | | | | | | | | | | | |
| Gross Cost | 146.2 | 0.0 | 0.0 | 1.0 | 1.4 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 150.3 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 146.2 | 0.0 | 0.0 | 1.0 | 1.4 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 150.3 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 146.2 | 0.0 | 0.0 | 1.0 | 1.4 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 150.3 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |
| <p>DESCRIPTION: The Armored Vehicle Launched Bridge (AVLB) is the current authorized standard assault bridge supporting heavy forces. AVLBs are primarily assigned to Combat Engineer and Training Units, and War Reserve sites. The AVLB is rapidly becoming unsupportable and not in a common configuration.</p> <p>JUSTIFICATION:</p> <p>AVLB COMMON CHASSI MOD: To complete the application of 7 each Modification Work Orders (MWOs), 87 vehicles (18% of the Active Component and high priority War Reserve units) need one or more modifications. The Armored Top Loading Air Cleaner and Air Induction System Improvements (Clean Air) will improve the reliability and extend engine life. The AN/VVS-2 Driver's Night Viewer (DNV) enhances tactical night operations. The Smoke Grenade Launcher allows the AVLB to maneuver under cover of obscuring smoke in a tactical environment. The new vision cupola and security locking device improves closed hatch vision and vehicle security. The engine smoke generating system provides a second source of obscuring smoke in a tactical environment. These vehicle modifications are required on AVLBs to bring the vehicles up to the current supportable configuration.</p> | | | | | | | | | | | | |

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | Date | February 2000 |
|--|-----------------|---------|-----------------------|--------------------------------|---------|---|---------|---------|---------|------|---------------|
| Appropriation / Budget Activity/Serial No. | | | P-1 Item Nomenclature | | | ARMORED VEH LAUNCH BRIDGE (AVLB) (MOD) (GZ3000) | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | |
| Program Elements for Code B Items | | | Code | Other Related Program Elements | | | | | | | |
| Description | | | Fiscal Years | | | | | | | | |
| OSIP NO. | Classification | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total |
| AVLB Block Mod (No P3a Set) | | | | | | | | | | | |
| 1-97-05-4531 | Oper Capability | 146.2 | 1.0 | 1.2 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 150.1 |
| Battlefield Combat Identification Systems (No P3a Set) | | | | | | | | | | | |
| 0-00-00-0000 | Oper Capability | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| Totals | | 146.2 | 1.0 | 1.4 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 150.3 |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: |
|---|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | February 2000 |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / / | | | | | | | | | | | | P-1 Item Nonendurance: |
| ARMORED VEHICLE LAUNCH BRIDGE SLEP (GZ2050) | | | | | | | | | | | | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | | | | | | | | | | | | |
| Gross Cost | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.3 | 14.9 | 69.5 | 73.0 | 62.8 | 0.0 | 235.5 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.3 | 14.9 | 69.5 | 73.0 | 62.8 | 0.0 | 235.5 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.3 | 14.9 | 69.5 | 73.0 | 62.8 | 0.0 | 235.5 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |

DESCRIPTION: Service Life Extension Program (SLEP) applies upgrades to the Armored Vehicle Launch Bridge (AVLB) hydraulic, electrical and suspension chassis systems. It also upgrades the bridge from Military Load Class (MLC) 60 to MLC 70. The MLC 70 bridge is required to safely cross the current combat fleet weighing between 60 and 70 tons. The AVLB SLEP upgrades and updates the obsolete 1950's technology and eliminates associated supply and obsolescence issues. It improves reliability and logistics supportability by incorporating current proven technology and commercial parts. This SLEP is fundamental to improve AVLB operational readiness rates, control fleet Operations and Support (O&S) costs, and insure that AVLB remains a relevant part of the Force XXI.

JUSTIFICATION: Termination of the M104 Wolverine Heavy Assault Bridge leaves the 36 year old AVLBs as the Army's only and highest priority assault bridging system. The AVLB, which has never had a major upgrade, will be the Army's After Next first line assault bridging system. This SLEP extends the service life of the AVLB by making major subsystems supportable for the next 20 years of service. It also provides the capability for MLC 70 combat vehicles (Abrams Tanks and HERCULES) to safely cross at full span. The hydraulic and electrical upgrade is expected to reduce future O&S costs by 50 percent. The current 85 percent AVLB readiness rate is expected to be improved to an average of 90 percent.

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / / | | P-1 Line Item Nomenclature: ARMORED VEHICLE LAUNCH BRIDGE SLEP (GZ3050) | | Weapon System Type: | | Date: February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| ID | CD | FY 98 | | FY 99 | | FY 00 | | FY 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chassis SLEP - Nonrecurring Bridge Upgrade System Technical Support - Contractor Technical Support - Government | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: | February 2000 |
|---|-------------------------|--------------------------|-----------------|---|------------------------|----------|-----------------|------------------|------------------|------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | Weapon System Type: | | P-1 Line Item Nomenclature: | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / / | | | | ARMORED VEHICLE LAUNCH BRIDGE SLEP (GZ3050) | | | | | | | |
| WBS Cost Elements: | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revis Avail | RFP Issue Date | |
| Fiscal Years | | | | | | | | | | | |
| HARDWARE FY01: Chassis FY01: Bridge Upgrade | TBS TBS | C/FP C/FP | TACOM TACOM | Jan-01 Jan-01 | Nov-01 Nov-01 | 2 37 | 2731 222 | YES YES | Jun-02 Jun-02 | Oct 00 Oct 00 | |
| REMARKS: We will award two units in FY01 to be used for testing, functional evaluation and validation/verification. Upgrade of the two units will be done in May 02. | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | M1 ABRAMS TANK (MOD) (GA0700) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 528.7 | 62.9 | 18.6 | 26.0 | 31.6 | 36.1 | 170.9 | 32.1 | 405.0 | 391.2 | 4131.8 | 5835.0 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 528.7 | 62.9 | 18.6 | 26.0 | 31.6 | 36.1 | 170.9 | 32.1 | 405.0 | 391.2 | 4131.8 | 5835.0 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 528.7 | 62.9 | 18.6 | 26.0 | 31.6 | 36.1 | 170.9 | 32.1 | 405.0 | 391.2 | 4131.8 | 5835.0 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |
| <p>DESCRIPTION: This budget line provides for the procurement and installation of modification kits for the Abrams series tank to improve lethality, survivability, safety and operational capabilities. Tank lethality is being improved by the FBCB2 Upgrades. Tank survivability and safety improvements include Block G (Manual Blaster, Driver's / Loader's Hatch Ballistic Rims, Automatic Fire Extinguisher System (AFES) Wiring Harness Guard, Driver's Hatch Latch, Ammo Door Latch Mechanism, Smoke Generator Fuel Line, Improved Gunner's Station, Driver's Viewer Quick Release (DVQR), and Battlefield Override); NBC Fire Warning System (NBCFW); new Hand-Held Fire Extinguishers (HHFE); Eyesafe Laser Rangefinder (ESLRF) and Driver's Hatch Interlock (DHI). Tank operational improvements include the Re-engine; Electronic Obsolescence; Battlefield Combat Identification system (BCIS); Precision Lightweight GPS Receiver (PLGR); Pulse-Jet System (PJS); Vehicle Intercommunications System (VIS); External Auxiliary Power Unit (EAPU); M1A2 Field Upgrades, the M1A1-D (Digitization) program; and the DU Armor and Improved Turret Side Armor programs. Finally, there is the Presidentially directed HALON Replacement program (Ozone Depleting Chemical Replacement).</p> <p>JUSTIFICATION: The priorities noted here in are consistent with USA Armor School requirements and are structured to meet needs validated by tank users in training and testing as well as in actions such as Operation Desert Storm (ODS). Degradation of tank warfighting capability and survivability, increased incidents of vehicle damage and crew injuries will occur if these modifications are delayed or deleted.</p> | | | | | | | | | | | | | |

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | Date | February 2000 |
|--|-----------------------|------|-----------------------|---------|--------------------------------|---------|---------|-------------------------------|---------|---------|-------|---------------|
| Appropriation / Budget Activity/Serial No. | | | P-1 Item Nomenclature | | | | | M1 ABRAMS TANK (MOD) (GA0700) | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHs / 1 / Tracked Combat Vehicles | | | | | | | | | | | | |
| Program Elements for Code B Items | | | Code | | Other Related Program Elements | | | | | | | |
| Description | | | Fiscal Years | | | | | | | | | |
| OSIP NO. | Classification | | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total |
| Halon Replacement (HAR) [MOD 1] | | | | | | | | | | | | |
| 1-92-05-4411 | Environmental | 9.5 | 0.3 | 0.0 | 0.6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 38.4 | 52.8 |
| Driver's Hatch Interlock (DHI) [Mod 2] | | | | | | | | | | | | |
| 1-97-05-4520 | Safety | 20.5 | 2.7 | 0.3 | 1.3 | 1.4 | 4.1 | 5.2 | 5.3 | 5.3 | 13.2 | 54.0 |
| Vehicle Intercommunications System (VIS) [MOD 3] | | | | | | | | | | | | |
| 1-92-05-4412 | Legislative Compl. | 40.4 | 11.3 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 54.7 |
| Battlefield Combat I.D. System (BCIS) [MOD 4] | | | | | | | | | | | | |
| 1-98-05-4543 | Operational | 0.0 | 0.0 | 2.0 | 3.1 | 3.0 | 3.0 | 3.0 | 1.4 | 1.4 | 171.9 | 187.4 |
| Precision Lightweight GPS Receiver (PLGR) [MOD 5] | | | | | | | | | | | | |
| 1-92-05-4417 | Manprint | 0.6 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 14.1 | 17.7 |
| Block G Mods [MOD 6] | | | | | | | | | | | | |
| 1-99-05-4554 | Deficiency Correction | 47.2 | 2.0 | 5.5 | 2.2 | 2.5 | 2.6 | 2.5 | 2.5 | 2.5 | 8.4 | 75.4 |
| Pulse - Jet System (PJS) [MOD 7] | | | | | | | | | | | | |
| 1-92-05-4475 | Operational | 38.7 | 2.4 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 295.1 | 337.4 |
| FBCB2 Upgrades [MOD 8] | | | | | | | | | | | | |
| 1-96-05-4516 | Operational | 0.0 | 0.0 | 0.0 | 7.7 | 4.2 | 2.8 | 1.1 | 5.0 | 5.0 | 56.2 | 77.0 |
| External Auxiliary Pwr Unit (EAPU) [MOD 9] | | | | | | | | | | | | |
| 1-85-05-4057 | Operational | 58.3 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 39.9 | 99.6 |
| NBC Fire Warning (NBCFW) [MOD 10] | | | | | | | | | | | | |
| 1-97-05-4524 | Safety | 0.0 | 0.5 | 1.3 | 1.5 | 1.5 | 1.5 | 1.5 | 1.6 | 1.6 | 4.0 | 13.4 |
| Hand-Held Fire Extinguisher (HHFE) [MOD 11] | | | | | | | | | | | | |
| 1-97-05-4525 | Safety | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 |
| M1A2 Field Mods (A2FM) [MOD 12] | | | | | | | | | | | | |
| 1-97-05-4534 | Deficiency Correction | 2.1 | 0.8 | 0.9 | 1.0 | 0.9 | 1.0 | 1.4 | 1.2 | 1.2 | 3.3 | 12.6 |

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | | |
|--|----------------|--|-----------------------|---------|--------------------------------|---------------|---------|---------|---------|---------|---------|---------|
| Appropriation / Budget Activity/Serial No. | | | P-1 Item Nomenclature | | | Date | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | February 2000 | | | | | | |
| Program Elements for Code B Items | | | Code | | Other Related Program Elements | | | | | | | |
| Description | | | Fiscal Years | | | | | | | | | |
| OSIP NO. | Classification | | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total |
| Matrix Support (MXSP) [MOD 13] | | | | | | | | | | | | |
| OSIP NO 14 | Operational | | 1.4 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 116.8 | 122.4 |
| DU Armor [MOD 14] | | | | | | | | | | | | |
| 1-98-05-4545 | Operational | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 95.3 | 62.6 | 659.0 | 816.9 |
| Improved Turret Side Armor [MOD 15] | | | | | | | | | | | | |
| 1-99-05-4555 | Operational | | 0.0 | 0.0 | 0.0 | 1.7 | 3.0 | 4.4 | 4.9 | 4.6 | 137.5 | 156.1 |
| Eyesafe LASER Rangefinder [MOD 16] | | | | | | | | | | | | |
| 1-99-05-4563 | Safety | | 0.0 | 0.0 | 0.0 | 5.1 | 5.0 | 4.7 | 4.8 | 5.1 | 115.9 | 140.6 |
| M1A1-D {Digitized} [MOD 17] | | | | | | | | | | | | |
| 1-98-05-4542 | Operational | | 4.8 | 3.5 | 16.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.7 |
| Re-Power [MOD 18] | | | | | | | | | | | | |
| 1-00-05-0014 | Operational | | 0.0 | 0.0 | 0.0 | 0.0 | 123.9 | 0.0 | 237.8 | 237.2 | 1,082.0 | 1,680.9 |
| Electronic Obsolescence [MOD 19] | | | | | | | | | | | | |
| 1-00-05-0015 | Operational | | 0.0 | 0.0 | 0.0 | 8.9 | 23.5 | 6.0 | 45.5 | 62.6 | 1,376.1 | 1,522.6 |
| Totals | | | 223.6 | 26.0 | 31.6 | 36.1 | 170.9 | 32.1 | 405.0 | 391.2 | 4,131.8 | 5,448.3 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|----|----|---------|--------------|----|---------|---|---|---------|---------------|----------|---------|---|---|---------|--------------|--|---------|--|---------------------------|---------|---|---|---------|------|--|--------|---|------------------------|---|---|---|---|------|---|---|---|-------------------------|----------|---|---|----|------|--------|----|----|--------------------------|----|----|---|---|------|--|------|------|----------------------------------|----|----|----|----|---------|----|----|----|-------------------------|---|---|---|------|------|--|--|--|------------------------------|---|---|---|---|------|--|--|--|
| | | | | | | | | | | Date | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE: Halon Replacement (HAR) [MOD 1] 1-92-05-4411 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0, IPM1 = 818, M1A1 = 4327, M1A2 = 747 TOTAL = 5892 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>This Modification changes the engine compartment fire suppression system in all models of the Abrams tank. This retrofit involves the substitution of a dry powder fire suppressant for the Halon 1301 gas currently used. This requirement was mandated by the 1988 Montreal Protocol in which 93 countries including the U.S.A. agreed to phase out Ozone Depleting Chemicals [ODC's] including the Halon 1301 used in the Abrams Tank Engine Compartment [Halon 1301 remains authorized for the Abrams Crew Compartment due to survivability concerns]. See 1992 DOD directive 6050.9 which establishes the policy on ODC's for the Armed Forces and DA letter 200 / 9 which implements that policy within the U.S. Army.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: <table style="width:100%; border: none;"> <thead> <tr> <th></th> <th colspan="4">PLANNED</th> <th colspan="4">ACCOMPLISHED</th> </tr> </thead> <tbody> <tr> <td>Preliminary Design Review</td> <td>-</td><td>-</td><td>-</td><td>-</td> <td>1Q93</td> <td></td><td></td><td></td> </tr> <tr> <td>Critical Design Review</td> <td>-</td><td>-</td><td>-</td><td>-</td> <td>3Q94</td> <td></td><td></td><td></td> </tr> <tr> <td>Contractor Test & Eval.</td> <td>-</td><td>-</td><td>-</td><td>-</td> <td>2Q96</td> <td></td><td></td><td></td> </tr> <tr> <td>Development Test & Eval.</td> <td>-</td><td>-</td><td>-</td><td>-</td> <td>4Q96</td> <td></td><td></td><td></td> </tr> <tr> <td>Initial Operational Test & Eval.</td> <td>-</td><td>-</td><td>-</td><td>-</td> <td>3Q97</td> <td></td><td></td><td></td> </tr> <tr> <td>IPR Production Decision</td> <td>-</td><td>-</td><td>-</td><td>-</td> <td>4Q97</td> <td></td><td></td><td></td> </tr> <tr> <td>Tech. Data Package Available</td> <td>-</td><td>-</td><td>-</td><td>-</td> <td>3Q00</td> <td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | PLANNED | | | | ACCOMPLISHED | | | | Preliminary Design Review | - | - | - | - | 1Q93 | | | | Critical Design Review | - | - | - | - | 3Q94 | | | | Contractor Test & Eval. | - | - | - | - | 2Q96 | | | | Development Test & Eval. | - | - | - | - | 4Q96 | | | | Initial Operational Test & Eval. | - | - | - | - | 3Q97 | | | | IPR Production Decision | - | - | - | - | 4Q97 | | | | Tech. Data Package Available | - | - | - | - | 3Q00 | | | |
| | PLANNED | | | | ACCOMPLISHED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preliminary Design Review | - | - | - | - | 1Q93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical Design Review | - | - | - | - | 3Q94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contractor Test & Eval. | - | - | - | - | 2Q96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development Test & Eval. | - | - | - | - | 4Q96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Initial Operational Test & Eval. | - | - | - | - | 3Q97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPR Production Decision | - | - | - | - | 4Q97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tech. Data Package Available | - | - | - | - | 3Q00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: <table style="width:100%; border: none;"> <thead> <tr> <th>Pr Yr</th> <th colspan="3">FY 1999</th> <th colspan="3">FY 2000</th> <th colspan="3">FY 2001</th> <th colspan="3">FY 2002</th> <th colspan="3">FY 2003</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td><td>2</td><td>3</td> <td>4</td><td>1</td><td>2</td> <td>3</td><td>4</td><td>1</td><td>2</td><td>3</td> <td>4</td><td>1</td><td>2</td> <td>3</td><td>4</td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td> <td></td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td> <td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td> <td></td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td> <td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | Pr Yr | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table style="width:100%; border: none;"> <thead> <tr> <th></th> <th colspan="3">FY 2004</th> <th colspan="3">FY 2005</th> <th colspan="3">FY 2006</th> <th colspan="3">FY 2007</th> <th colspan="3">Totals</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td> <td>4</td><td>1</td><td>2</td><td>3</td><td>4</td> <td colspan="3">Complete</td> </tr> <tr> <td>41</td> <td>41</td><td>41</td><td>41</td> <td>40</td><td>40</td><td>41</td> <td>41</td><td></td><td></td><td></td><td></td> <td>5095</td> <td colspan="2">5892</td> </tr> <tr> <td>41</td> <td>41</td><td>41</td><td>42</td> <td>41</td><td>41</td><td>41</td> <td>41</td><td></td><td></td><td></td><td></td> <td>5257</td> <td colspan="2">5892</td> </tr> </tbody> </table> | | | | | | | | | | | | | FY 2004 | | | FY 2005 | | | FY 2006 | | | FY 2007 | | | Totals | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | | 41 | 41 | 41 | 41 | 40 | 40 | 41 | 41 | | | | | 5095 | 5892 | | 41 | 41 | 41 | 42 | 41 | 41 | 41 | 41 | | | | | 5257 | 5892 | | | | | | | | | | | | |
| | FY 2004 | | | FY 2005 | | | FY 2006 | | | FY 2007 | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 41 | 41 | 41 | 40 | 40 | 41 | 41 | | | | | 5095 | 5892 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | 41 | 41 | 42 | 41 | 41 | 41 | 41 | | | | | 5257 | 5892 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Contractor Team | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: 3 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRODUCTION LEADTIME: 4 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: FY 2000 N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: FY 2000 N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: FY 2001 MAR 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: FY 2001 OCT 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | Date | | February 2000 | | | | | |
|--|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------------|----|--|----|--|--|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | Halon Replacement (HAR) [MOD 1] 1-92-05-4411 | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | | |
| FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | | |
| Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | | |
| RDT&E PROCUREMENT Kit Quantity Installation Kits Installation Kits, Nonrecurring Equipment Equipment, Nonrecurring Engineering Change Orders Engr. & Source Selection Training Equipment Support Equipment Other Interim Contractor Support | | 9.5 | | 0.3 | | 151 | | 155 | | 165 | | 164 | | 162 | | 5095 | | 5892 | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware FY 1998 & Prior Eqpt -- Kits FY 1999 Eqpt -- Kits FY 2000 Eqpt -- Kits FY 2001 Eqpt -- Kits FY 2002 Eqpt -- kits FY 2003 Eqpt -- kits FY 2004 Eqpt -- kits FY 2005 Eqpt -- kits TC Equip-Kits | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | 5257 | | 151 155 165 164 | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Total Installation Total Procurement Cost | | 9.5 | | 0.3 | | 0.6 | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 0.6 | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
| | | | | | | | | 151 | | 0.4 | | 155 | | 0.4 | | 165 | | 164 | | | |
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| INDIVIDUAL MODIFICATION | | | | | | | | | | | | Date | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| MODIFICATION TITLE: Driver's Hatch Interlock (DHI) [Mod 2] 1-97-05-4520 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0, IPM1 = 818, M1A1 = 4327, M1A2 = 435 TOTAL RQMT = 5580 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>The Driver's Hatch Interlock (DHI) is a SAFETY modification which provides an electronic interface between the Driver's Hatch and the Turret Drive (Rotation) controls. Its purpose is to preclude turret rotation while the driver's hatch is open. In the recent past there have been several accidents in the field where the driver has been injured or killed by inadvertently extending his head outside the hatch while the turret was being rotated. The DHI will assure that similar incidents will not occur in the future.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <thead> <tr> <th></th> <th colspan="10">PLANNED</th> <th colspan="4">ACCOMPLISHED</th> </tr> </thead> <tbody> <tr> <td>Preliminary Design Review</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>2Q96</td> <td></td><td></td><td></td> </tr> <tr> <td>Critical Design Review</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>3Q96</td> <td></td><td></td><td></td> </tr> <tr> <td>Development Test & Eval.</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>4Q96</td> <td></td><td></td><td></td> </tr> <tr> <td>IPR Production Decision</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>4Q97</td> <td></td><td></td><td></td> </tr> <tr> <td>ECP Completed</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>1Q98</td> <td></td><td></td><td></td> </tr> <tr> <td>Tech. Data Package Available</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>2Q98</td> <td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | PLANNED | | | | | | | | | | ACCOMPLISHED | | | | Preliminary Design Review | - | - | - | - | - | - | - | - | - | - | 2Q96 | | | | Critical Design Review | - | - | - | - | - | - | - | - | - | - | 3Q96 | | | | Development Test & Eval. | - | - | - | - | - | - | - | - | - | - | 4Q96 | | | | IPR Production Decision | - | - | - | - | - | - | - | - | - | - | 4Q97 | | | | ECP Completed | - | - | - | - | - | - | - | - | - | - | 1Q98 | | | | Tech. Data Package Available | - | - | - | - | - | - | - | - | - | - | 2Q98 | | | |
| | PLANNED | | | | | | | | | | ACCOMPLISHED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preliminary Design Review | - | - | - | - | - | - | - | - | - | - | 2Q96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical Design Review | - | - | - | - | - | - | - | - | - | - | 3Q96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development Test & Eval. | - | - | - | - | - | - | - | - | - | - | 4Q96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPR Production Decision | - | - | - | - | - | - | - | - | - | - | 4Q97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ECP Completed | - | - | - | - | - | - | - | - | - | - | 1Q98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tech. Data Package Available | - | - | - | - | - | - | - | - | - | - | 2Q98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="3">FY 1999</th> <th colspan="3">FY 2000</th> <th colspan="3">FY 2001</th> <th colspan="3">FY 2002</th> <th colspan="3">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th> <th>4</th><th>1</th><th>2</th> <th>3</th><th>4</th><th>1</th><th>2</th><th>3</th> <th>4</th><th>1</th><th>2</th> <th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>435</td><td>252</td><td>253</td><td>253</td> <td>26</td><td>27</td><td>27</td><td>27</td> <td>27</td><td>27</td><td>27</td><td>27</td> <td>27</td><td>27</td><td>27</td><td>27</td> <td>27</td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 435 | 252 | 253 | 253 | 26 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | Inputs | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 435 | 252 | 253 | 253 | 26 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Pr Yr | FY 2004 | | | FY 2005 | | | FY 2006 | | | FY 2007 | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | 1552 | 1552 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Contractor Teams | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: 2 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRODUCTION LEADTIME: 4 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 N/A FY 2000 N/A FY 2001 MAR 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 N/A FY 2000 N/A FY 2001 JUL 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | |
|---|------|---------|------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|------|------|-------|------|------|
| Date | | | | | | | | | | | | | | | | | | | | |
| February 2000 | | | | | | | | | | | | | | | | | | | | |
| Driver's Hatch Interlock (DHI) [Mod 2] 1-97-05-4520 | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | |
| Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | 3173 | | | | | | | | | | | 495 | | 495 | | 1057 | | 5580 | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | 19.4 | | | | | | | | | | 2.7 | 3.8 | 3.9 | | | 8.5 | | 38.3 | | |
| Equipment | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Testing | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | 0.1 | | | | | | | | | | | | | | | | | 0.1 | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 435 | 1.0 | | | | | | | | | | | | | | | | 435 | 1.0 | |
| FY 1999 Eqpt -- Kits | | | 1011 | 2.7 | | | | | | | | | | | | | | 1011 | 2.7 | |
| FY 2000 Eqpt -- Kits | | | | | 107 | 0.3 | | | | | | | | | | | | 107 | 0.3 | |
| FY 2001 Eqpt -- Kits | | | | | | | 495 | 1.3 | | | | | | | | | | 495 | 1.3 | |
| FY 2002 Eqpt -- kits | | | | | | | | | 495 | 1.4 | | | | | | | | 495 | 1.4 | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | 495 | 1.4 | | | | | | 495 | 1.4 | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | 495 | 1.4 | | | | | 495 | 1.4 | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | 495 | 1.4 | | | | 495 | 1.4 | |
| TC Equip-Kits | | | | | | | | | | | | | | | | 1552 | 4.7 | 1552 | 4.7 | |
| Total Installment | 435 | 1.0 | 1011 | 2.7 | 107 | 0.3 | 495 | 1.3 | 495 | 1.4 | 495 | 1.4 | 495 | 1.4 | 495 | 1.4 | 1552 | 4.7 | 5580 | 15.6 |
| Total Procurement Cost | | 20.5 | | 2.7 | | 0.3 | | 1.3 | | 1.4 | | 4.1 | | 5.2 | | 5.3 | | 13.2 | | 54.0 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | Date | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|-----|-----|-----|--------------|------|-----|-----|---------|---|---------|------|---------------|-------|--------------|---|---------|---|--------------------------|----|----|----|---------|------|------|--|---------|--|----------------------------------|----|---------|----|----|------|------|---|---|---|-------------------------|----|----|----|----|------|------|---|---|---|---|---|---|---|---|---|--------|-----|-----|-----|-----|-----|-----|-----|----|--|--|--|--|--|--|--|--|--|--|--|--|---------|------|-----|-----|----|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| MODIFICATION TITLE: Vehicle Intercommunications System (VIS) [MOD 3] 1-92-05-4412 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0 , IPM1 = 0 , M1A1 = 4337 , M1A2 = 181 TOTAL RQMT = 4518 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>The Vehicle Intercommunications System (VIS) is an intercom for inter-crew communications and a connection to a radio for tank to tank direct communications. VIS replaces the AN / VIC - 1 which is technologically obsolete, difficult to maintain and susceptible to electronic countermeasures. VIS is a state-of-the-art replacement which has none of these drawbacks. This is a Congressionally mandated program. All milestones are for USA CECOM, the "A" proponent for the VIS program. Current funding includes \$3.0M which Congress added to the President's Budget in FY 99 for validation of the "Wireless" VIS concept. Note that procurements exceed installations. Ten (10) kits were procured as spares and these will NOT be installed.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td></td> <td colspan="4">PLANNED</td> <td colspan="4">ACCOMPLISHED</td> </tr> <tr> <td>Development Test & Eval.</td> <td>--</td><td>--</td><td>--</td><td>--</td> <td>4Q92</td> <td>2Q92</td> <td></td><td></td><td></td> </tr> <tr> <td>Initial Operational Test & Eval.</td> <td>--</td><td>--</td><td>--</td><td>--</td> <td>3Q94</td> <td>3Q94</td> <td></td><td></td><td></td> </tr> <tr> <td>IPR Production Decision</td> <td>--</td><td>--</td><td>--</td><td>--</td> <td>4Q94</td> <td>4Q94</td> <td></td><td></td><td></td> </tr> </table> | | | | | | | | | | | PLANNED | | | | ACCOMPLISHED | | | | Development Test & Eval. | -- | -- | -- | -- | 4Q92 | 2Q92 | | | | Initial Operational Test & Eval. | -- | -- | -- | -- | 3Q94 | 3Q94 | | | | IPR Production Decision | -- | -- | -- | -- | 4Q94 | 4Q94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PLANNED | | | | ACCOMPLISHED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development Test & Eval. | -- | -- | -- | -- | 4Q92 | 2Q92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Initial Operational Test & Eval. | -- | -- | -- | -- | 3Q94 | 3Q94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPR Production Decision | -- | -- | -- | -- | 4Q94 | 4Q94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 3405 | 120 | 120 | 83 | 168 | 168 | 168 | 166 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Depot/Contr. Teams ADMINISTRATIVE LEADTIME: 1 Months PRODUCTION LEADTIME: 4 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 JUN 99 FY 2000 N/A FY 2001 N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 OCT 99 FY 2000 N/A FY 2001 N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | February 2000 | | |
|---|-------------------|------|---------|------|---------|-----|---------|----|---------|----|---------|----|---------|----|---------|----|-----|---------------|-------|------|
| Vehicle Intercommunications System (VIS) [MOD 3] 1-92-05-4412 | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | 3745 | | 773 | | | | | | | | | | | | | | | | 4518 | |
| Kit Quantity | | | | | | | | | | | | | | | | | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | 35.9 | | 7.7 | | | | | | | | | | | | | | | | 43.6 | |
| Equipment, Nonrecurring | | | 3.0 | | 2.0 | | | | | | | | | | | | | | 5.0 | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Testing | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 3405 | 4.5 | 443 | 0.6 | 670 | 1.0 | | | | | | | | | | | | | 3848 | 5.1 |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | 670 | 1.0 |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | 3405 | 4.5 | 443 | 0.6 | 670 | 1.0 | | | | | | | | | | | | | 4518 | 6.1 |
| Total Procurement Cost | | 40.4 | | 11.3 | | 3.0 | | | | | | | | | | | | | | 54.7 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---------|---|---|---|---------|---------------|---|---|---|---|---|---|----------|------|---|---|---------|--|--|--|---------|--|--|--|---------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|----|--------|---|---|---|--------|--|--|--|--|--|--|--|--|--|--|--|--|------|------|---------|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|------|------|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Date | | | | | | | | | | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE: Battlefield Combat I.D. System (BCIS) [MOD 4] 1-98-05-4543 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0, IPM1 = 0, M1A1 = 1535, M1A2 = 867 TOTAL RQMT = 2402 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: The Battlefield Combat Identification System (BCIS) is a millimeter wave Question and Answer system that will provide positive identification of friendly ground vehicles to minimize battlefield fratricide and enhance combat effectiveness. The BCIS is a designated Army Horizontal Technology Integration (HTI) Initiative. Note that the cost of installations is included in the hardware cost. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> PLANNED Milestone II Critical Design Review PPQT / LUT T. F. XXI Demo NATO Demo LRIP IPR </td> <td style="width: 50%; vertical-align: top;"> ACCOMPLISHED 3Q 93 2Q 94 1Q 95 3Q 97 4Q 97 3Q 99 </td> </tr> </table> | | | | | | | | | | | | PLANNED Milestone II Critical Design Review PPQT / LUT T. F. XXI Demo NATO Demo LRIP IPR | ACCOMPLISHED 3Q 93 2Q 94 1Q 95 3Q 97 4Q 97 3Q 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLANNED Milestone II Critical Design Review PPQT / LUT T. F. XXI Demo NATO Demo LRIP IPR | ACCOMPLISHED 3Q 93 2Q 94 1Q 95 3Q 97 4Q 97 3Q 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | | | | | | | | | | | | | | | | | | | | | Inputs | | | | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th colspan="2">Totals</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>Complete</th><th>To</th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>2194</td><td>2402</td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>2212</td><td>2402</td> </tr> </tbody> </table> | | | | | | | | | | | | Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | To | Inputs | | | | | | | | | | | | | | | | | 2194 | 2402 | Outputs | | | | | | | | | | | | | | | | | 2212 | 2402 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | To | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | 2194 | 2402 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | 2212 | 2402 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Contractor Install ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 7 Months Contract Dates: FY 1999 N/A FY 2000 MAR 00 FY 2001 MAR 01 Delivery Date: FY 1999 N/A FY 2000 DEC 00 FY 2001 DEC 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | Date | | February 2000 | | | | | | | | | | | | | | | |
|----------------------------------|-------------------|----|---------|----|---------|----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|-------|--|-------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | Battlefield Combat I.D. System (BCIS) [MOD 4] 1-98-05-4543 | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | | | | | | | | | | | | | | | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | | | | | | | | | | | | | | | |
| RDT&E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | | | 30 | | 40 | | 40 | | 40 | | 40 | | 18 | | 2194 | | 2402 | | | | | | | | | | | | | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment | | | | | 2.0 | | 3.1 | | 3.0 | | 3.0 | | 3.0 | | 1.4 | | 171.9 | | 187.4 | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | 30 | | 40 | | | | | | | | | | 30 | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | 40 | | | | | | | | 40 | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | 40 | | | | | | 40 | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | 40 | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | 40 | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | 40 | | 2212 | | 2212 | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Installation | | | | | 2.0 | | 30 | | 40 | | 40 | | 40 | | 40 | | 2212 | | 2402 | | | | | | | | | | | | | | | | |
| Total Procurement Cost | | | | | | | | 3.1 | | 3.0 | | 3.0 | | 3.0 | | 1.4 | | 171.9 | | 187.4 | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | Date | | February 2000 | | | | |
|--|----------------------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|------|---------|---------------|------|------|-------|------|
| Precision Lightweight GPS Receiver (PLGR) [MOD 5] 1-92-05-4417 | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | 38 | | 200 | | 135 | | 135 | | 135 | | 135 | | 135 | | 135 | | 3279 | | 4327 | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | 0.1 | | 0.5 | | 0.3 | | 0.3 | | 0.3 | | 0.3 | | 0.3 | | 0.4 | | 11.1 | | 13.6 |
| Equipment, Nonrecurring Engineering Change Orders | | 0.2 | | | | | | | | | | | | | | | | | | 0.2 |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other [Benet Labs] | | 0.2 | | | | | | | | | | | | | | | | | | 0.2 |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 38 | 0.1 | | | | | | | | | | | | | | | | | 38 | 0.1 |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | 200 | 0.1 |
| FY 2000 Eqpt -- Kits | | | | | 200 | 0.1 | | | | | | | | | | | | | 135 | 0.1 |
| FY 2001 Eqpt -- Kits | | | | | | | 135 | 0.1 | | | | | | | | | | | 135 | 0.1 |
| FY 2002 Eqpt -- kits | | | | | | | | | 135 | 0.1 | | | | | | | | | 135 | 0.1 |
| FY 2003 Eqpt -- kits | | | | | | | | | | | 135 | 0.1 | | | | | | | 135 | 0.1 |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | 135 | 0.1 | | | | | 135 | 0.1 |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | 135 | 0.1 | | | 135 | 0.1 |
| TC Equip-Kits | | | | | | | | | | | | | | | | | 3414 | 3.0 | 3414 | 3.0 |
| Total Installation | 38 | 0.1 | | | 200 | 0.1 | 135 | 0.1 | 135 | 0.1 | 135 | 0.1 | 135 | 0.1 | 135 | 0.1 | 3414 | 3.0 | 4327 | 3.7 |
| Total Procurement Cost | | 0.6 | | 0.5 | | 0.4 | | 0.4 | | 0.4 | | 0.4 | | 0.4 | | 0.5 | | 14.1 | | 17.7 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|----------------|---|---|---------|---|---|---|---------|---|---|------|---------|---|----------------|----------------|----------------|--------|---|---------|--|--|--|---------|--|--|--|---------|--|--|--|---------|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|---------|--|--|--|---------|--|--|--|---------|--|--|--|-------------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| MODIFICATION TITLE: Block G Mods [MOD 6] 1-99-05-4554 | | | | | | | | | | | | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0, IPM1 = 0, M1A1 = 4327, M1A2 = 81, TOTAL = 4408 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: Block G consists of the following M1A1/M1A2 Tank modifications: [1] Independent Manual Blaster, [2] Driver's/Loader's Hatch Ballistic Rims, [3] AFES Wiring Harness Ballistic Protection, [4] Driver's Hatch Latch, [5] Improved Gunner's Station, [6] Smoke Generator Fuel Line, [7] Ammunition Door Latch Mechanism, and [8] Battlefield Override. Each of these modifications corrects a deficiency found during Live-Fire Testing or during combat in Operation Desert Storm. These modifications were planned for concurrent procurement & installation. Quantities are shown as various because fielded tanks require varying numbers of the listed components due to production differences and because of unmatched kit deliveries from different small business vendors. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Various - Milestones differ for individual Modifications noted above. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th rowspan="2">To Complete</th> <th rowspan="2">Totals</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | | | | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | | | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | To Complete | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | To Complete | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Contractor/Depot Teams Contract Dates: FY 1999 FEB 99 Delivery Date: FY 1999 AUG 99 ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 6 Months <table style="width: 100%; margin-top: 5px;"> <tr> <td style="width: 25%;">FY 2000 FEB 00</td> <td style="width: 25%;">FY 2001 FEB 01</td> <td style="width: 25%;">FY 2001 AUG 01</td> <td style="width: 25%;"></td> </tr> </table> | | | | | | | | | | | | | | | FY 2000 FEB 00 | FY 2001 FEB 01 | FY 2001 AUG 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2000 FEB 00 | FY 2001 FEB 01 | FY 2001 AUG 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | Date | | February 2000 |
|---|------|---------|------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|------|-----|-------|------|---------------|
| Block G Mods [MOD 6] 1-99-05-4554 | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | |
| Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | var. | | | | | | | | | var. | | var. | | var. | | var. | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | 15.7 | | 0.5 | | 0.3 | | 0.5 | | 0.7 | | 0.8 | | 0.7 | | 0.7 | | 2.8 | | 22.7 | |
| Equipment, Nonrecurring Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | var. | 31.5 | | | | | | | | | | | | | | | | | 31.5 | |
| FY 1999 Eqpt -- Kits | | | var. | 1.5 | | | | | | | | | | | | | | | 1.5 | |
| FY 2000 Eqpt -- Kits | | | | | var | 5.2 | | | | | | | | | | | | | 5.2 | |
| FY 2001 Eqpt -- Kits | | | | | | | var | 1.7 | | | | | | | | | | | 1.7 | |
| FY 2002 Eqpt -- kits | | | | | | | | | var | 1.8 | | | | | | | | | 1.8 | |
| FY 2003 Eqpt -- kits | | | | | | | | | | var. | 1.8 | | | | | | | | 1.8 | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | var. | 1.8 | | | | | | 1.8 | |
| FY 2005 Eqpt -- Kits | | | | | | | | | | | | | | var. | 1.8 | | | | 1.8 | |
| TC Equip-Kits | | | | | | | | | | | | | | | | var. | 5.6 | | 5.6 | |
| Total Installment | 31.5 | | 1.5 | | 5.2 | | 1.7 | | 1.8 | | 1.8 | | 1.8 | | 1.8 | | 5.6 | | 52.7 | |
| Total Procurement Cost | 47.2 | | 2.0 | | 5.5 | | 2.2 | | 2.5 | | 2.6 | | 2.5 | | 2.5 | | 8.4 | | 75.4 | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|------------|----|--------------------------------|---------|------------|--------------|------------|---------|------------|---------------|------------------------------------|---------|---|---|--------------------------------|----------|---|--------------|-----------------|---------|---------|--|---------|---------------------------|---------|---|---------|---------|---------|---|----------------|---|---------|---|---------|---|---------|------------------------|---------|---|---------|---|---|---|------------|---|------------|---|------------|---|------------|-------------------------|------------|---|---|---|---|---|------|---|---|----------|---------|---|---|--------------------------|---|---|---|---|---|---|--------|-----|----|----|----|----|----|----------------------------------|----|---|---|---|---|---|------|--|--|--|--|--|--|-------------------------|-----|----|----|------|----|----|------|----|----|--|--|--|--|---------------|---|---|---|---|---|---|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|
| | | | | | | | | | | Date | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE: Pulse - Jet System (PJS) [MOD 7] 1-92-05-4475 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0, IPM1 = 0, M1A1 = 4327, M1A2 = 228 TOTAL RQMT = 4555 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>The Pulse - Jet System (PJS) replaces a large portion of the current engine air filtration system. The purpose of PJS is to extend the time between required air path servicing in any severe dust environment. The current system requires frequent servicing in such an environment which can introduce dust into the clean air path as each servicing requires that the path is broken in order to complete the service. PJS greatly reduces the number of times the clean air path requires servicing. The result is improved combat performance and reduced O&S costs. PJS was identified as user priority number one by Abrams tank units involved in Operation Desert Storm (ODS). NOTE: 180ea additional PJS Kits were procured using FY97 DBOF OSCR (O & S Cost Reduction) funds. This procurement is NOT a part of the Abrams tank MOD Line procurements but the 180 are being installed using MOD Line \$\$\$, thus total procured will be 180 less than the total installed.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th colspan="6">PLANNED</th> <th colspan="6">ACCOMPLISHED</th> </tr> </thead> <tbody> <tr> <td>Preliminary Design Review</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>2Q92</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Critical Design Review</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>3Q92</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Contractor Test & Eval.</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>3Q93</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Development Test & Eval.</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>3Q93</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Initial Operational Test & Eval.</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>4Q93</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>IPR Production Decision</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>4Q93</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>TDP Available</td> <td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> <td>2Q96</td> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | PLANNED | | | | | | ACCOMPLISHED | | | | | | Preliminary Design Review | - | - | - | - | - | - | 2Q92 | | | | | | | Critical Design Review | - | - | - | - | - | - | 3Q92 | | | | | | | Contractor Test & Eval. | - | - | - | - | - | - | 3Q93 | | | | | | | Development Test & Eval. | - | - | - | - | - | - | 3Q93 | | | | | | | Initial Operational Test & Eval. | - | - | - | - | - | - | 4Q93 | | | | | | | IPR Production Decision | - | - | - | - | - | - | 4Q93 | | | | | | | TDP Available | - | - | - | - | - | - | 2Q96 | | | | | | | | | | | | | | | | | | | |
| | PLANNED | | | | | | ACCOMPLISHED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preliminary Design Review | - | - | - | - | - | - | 2Q92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical Design Review | - | - | - | - | - | - | 3Q92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contractor Test & Eval. | - | - | - | - | - | - | 3Q93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development Test & Eval. | - | - | - | - | - | - | 3Q93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Initial Operational Test & Eval. | - | - | - | - | - | - | 4Q93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPR Production Decision | - | - | - | - | - | - | 4Q93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TDP Available | - | - | - | - | - | - | 2Q96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> </tr> <tr> <td>Inputs</td> <td>514</td><td>60</td><td>60</td><td>60</td> <td>60</td><td>60</td><td>60</td><td>60</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td>425</td><td>77</td><td>76</td><td>76</td> <td>76</td><td>48</td><td>48</td><td>48</td> <td>48</td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | 514 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | | | | | | | | | | | | | Outputs | 425 | 77 | 76 | 76 | 76 | 48 | 48 | 48 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 514 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | 425 | 77 | 76 | 76 | 76 | 48 | 48 | 48 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th rowspan="2">Totals</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>Complete</td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>3681</td> </tr> <tr> <td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>3681</td> </tr> <tr> <td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>4555</td> </tr> <tr> <td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>4555</td> </tr> </tbody> </table> | | | | | | | | | | | | | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | Outputs | | | | | | | | | | | | | | | | | 3681 | | | | | | | | | | | | | | | | | | 3681 | | | | | | | | | | | | | | | | | | 4555 | | | | | | | | | | | | | | | | | | 4555 |
| | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | 3681 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 3681 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 4555 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 4555 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">ADMINISTRATIVE LEADTIME: 24 Months</th> <th colspan="4">PRODUCTION LEADTIME: 24 Months</th> </tr> <tr> <th colspan="2">Contract Dates:</th> <th colspan="2">FY 1999</th> <th colspan="2">FY 2000</th> <th colspan="2">FY 2001</th> <th colspan="2">FY 2002</th> <th colspan="2">FY 2003</th> </tr> <tr> <th colspan="2">Delivery Date:</th> <th colspan="2">FY 1999</th> <th colspan="2">FY 2000</th> <th colspan="2">FY 2001</th> <th colspan="2">FY 2002</th> <th colspan="2">FY 2003</th> </tr> </thead> <tbody> <tr> <td colspan="2"></td> <td colspan="2">Enter Date</td> <td colspan="2">Enter Date</td> <td colspan="2">Enter Date</td> <td colspan="2">Enter Date</td> <td colspan="2">Enter Date</td> </tr> </tbody> </table> | | | | | | | | | | | | ADMINISTRATIVE LEADTIME: 24 Months | | | | PRODUCTION LEADTIME: 24 Months | | | | Contract Dates: | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | Delivery Date: | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | Enter Date | | Enter Date | | Enter Date | | Enter Date | | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: 24 Months | | | | PRODUCTION LEADTIME: 24 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Enter Date | | Enter Date | | Enter Date | | Enter Date | | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | February 2000 | | | | | | |
|---|-------------------|------|---------|-----|---------|-----|---------|----|---------|----|---------|----|---------|---------------|---------|----|-------|-------|-------|-------|
| Date | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| Pulse - Jet System (PJS) [MOD 7] 1-92-05-4475 | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | 694 | | | | | | | | | | | | | | | | 3681 | 251.9 | 4375 | 251.9 |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Equipment | | 32.6 | | | | | | | | | | | | | | | | | | 32.6 |
| Equipment, Nonrecurring | | 0.6 | | | | | | | | | | | | | | | | | | 0.6 |
| Engineering Change Orders | | 1.0 | | | | | | | | | | | | | | | | | | 1.0 |
| Testing | | 0.9 | | | | | | | | | | | | | | | | | | 0.9 |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 425 | 3.6 | | | | | | | | | | | | | | | | | 425 | 3.6 |
| FY 1999 Eqpt -- Kits | | | 305 | 2.4 | | | | | | | | | | | | | | | 305 | 2.4 |
| FY 2000 Eqpt -- Kits | | | | | 144 | 1.2 | | | | | | | | | | | | | 144 | 1.2 |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | 3681 | 43.2 | 3681 | 43.2 |
| Total Installment | 425 | 3.6 | 305 | 2.4 | 144 | 1.2 | | | | | | | | | | | 3681 | 43.2 | 4555 | 50.4 |
| Total Procurement Cost | | 38.7 | | 2.4 | | 1.2 | | | | | | | | | | | 295.1 | | | 337.4 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | Date | February 2000 | |
|---|----------------------|----|---------|----|---------|----|---------|----|---------|-----|---------|-----|---------|-----|---------|-----|-----|------|-------------------------------------|---------------|--|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | FBCB2 Upgrades [MOD 8] 1-96-05-4516 | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | | |
| RDT&E PROCUREMENT Kit Quantity Installation Kits Installation Kits, Nonrecurring Equipment Equipment, Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other Interim Contractor Support | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | |
| | | | | | | | 7.7 | | | 4.2 | | 2.8 | | 1.1 | | 5.0 | | 56.2 | | 77.0 | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | | |
| Total Installation | | | | | | | 7.7 | | | 4.2 | | 2.8 | | 1.1 | | 5.0 | | 56.2 | | 77.0 | |
| Total Procurement Cost | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|----|----|----|---------|---|---|---|---------|---------|---|---------------|---------|---|--|---------|----------|------|---|---------|--|--|--|---------|---------|--|--|---------|--|--------------|--|---------|--|---|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|----|--------|---|---|----|--------|---|---|---|------------------------|---|---|---|---|---|---|---|---|------|------|---------|---|---|---|---|---|--------|------|--|----|--|--|--|--|-------------------------|--|--|------|------|--|--|--|--|--|---|--|--|---------|------|----|----|----|----|--|----|--|--|--|--|--------------------------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|---|--|--|--|--|----|--|--|--|--|----------------------------------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|---|--|--|--|--|----|--|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|---|--|--|--|--|----|--|--|--|--|---------------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|---|--|--|--|--|----|--|--|--|--|
| | | | | | | | | | | Date | | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE: External Auxiliary Power Unit (EAPU) [MOD 9] 1-85-05-4057 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0, IPM1 = 0, M1A1 = 1826, M1A2 = 1174 TOTAL RQMT = 3000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>The current use of the Abrams Tank in stationary night defensive position, known as Silent Watch Mode, requires long duration idling of the AGT - 1500 vehicle main engine in order to generate the required electricity. The External Auxiliary Power Unit (EAPU) will provide power for this type of requirement at greatly reduced fuel usage and without main engine wear. The EAPU continuously delivers 2.2 KW of power at 28 Volts DC. The EAPU will be mounted in the left side of the turret bustle rack and will be fully integrated with the tank electrical systems. The EAPU has its own fuel supply and can provide power for 10 to 12 hours on one tank - full of diesel fuel.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="10" style="text-align: left;">DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:</th> <th colspan="5" style="text-align: center;">PLANNED</th> <th colspan="5" style="text-align: center;">ACCOMPLISHED</th> </tr> </thead> <tbody> <tr> <td colspan="10">Preliminary Design Review</td> <td colspan="5">-</td> <td colspan="5">-</td> <td colspan="5">**</td> </tr> <tr> <td colspan="10">Critical Design Review</td> <td colspan="5">-</td> <td colspan="5">-</td> <td colspan="5">**</td> </tr> <tr> <td colspan="10">Contractor Test & Eval.</td> <td colspan="5">-</td> <td colspan="5">-</td> <td colspan="5">**</td> </tr> <tr> <td colspan="10">Development Test & Eval.</td> <td colspan="5">-</td> <td colspan="5">-</td> <td colspan="5">**</td> </tr> <tr> <td colspan="10">Initial Operational Test & Eval.</td> <td colspan="5">-</td> <td colspan="5">-</td> <td colspan="5">**</td> </tr> <tr> <td colspan="10">IPR Production Decision</td> <td colspan="5">-</td> <td colspan="5">-</td> <td colspan="5">**</td> </tr> <tr> <td colspan="10">TDP Available</td> <td colspan="5">-</td> <td colspan="5">-</td> <td colspan="5">**</td> </tr> </tbody> </table> <p style="text-align: right; margin-right: 50px;">** This is a re-buy of an item last procured in FY FY91/92</p> | | | | | | | | | | | | | | | DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | PLANNED | | | | | ACCOMPLISHED | | | | | Preliminary Design Review | | | | | | | | | | - | | | | | - | | | | | ** | | | | | Critical Design Review | | | | | | | | | | - | | | | | - | | | | | ** | | | | | Contractor Test & Eval. | | | | | | | | | | - | | | | | - | | | | | ** | | | | | Development Test & Eval. | | | | | | | | | | - | | | | | - | | | | | ** | | | | | Initial Operational Test & Eval. | | | | | | | | | | - | | | | | - | | | | | ** | | | | | IPR Production Decision | | | | | | | | | | - | | | | | - | | | | | ** | | | | | TDP Available | | | | | | | | | | - | | | | | - | | | | | ** | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | PLANNED | | | | | ACCOMPLISHED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preliminary Design Review | | | | | | | | | | - | | | | | - | | | | | ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical Design Review | | | | | | | | | | - | | | | | - | | | | | ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contractor Test & Eval. | | | | | | | | | | - | | | | | - | | | | | ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development Test & Eval. | | | | | | | | | | - | | | | | - | | | | | ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Initial Operational Test & Eval. | | | | | | | | | | - | | | | | - | | | | | ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPR Production Decision | | | | | | | | | | - | | | | | - | | | | | ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TDP Available | | | | | | | | | | - | | | | | - | | | | | ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> </tr> <tr> <td>Inputs</td> <td>1838</td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td>1666</td><td>43</td><td>43</td><td>43</td> <td>43</td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | 1838 | | | | | | | | | | | | | | | | | | | | Outputs | 1666 | 43 | 43 | 43 | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 1838 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | 1666 | 43 | 43 | 43 | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th colspan="2">Totals</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>Complete</th><th>To</th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1162</td><td>3000</td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>1162</td><td>3000</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | To | Inputs | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1162 | 3000 | Outputs | | | | | | | | | | | | | | | | | 1162 | 3000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | To | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1162 | 3000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | 1162 | 3000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Cntrtr/Depot Teams ADMINISTRATIVE LEADTIME: 4 Months PRODUCTION LEADTIME: 6 Months Contract Dates: FY 1999 N/A FY 2000 N/A FY 2001 N/A Delivery Date: FY 1999 N/A FY 2000 N/A FY 2001 N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | February 2000 | |
|---|-------------------|------|---------|-----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|------|------|---------------|------|
| External Auxiliary Pwr Unit (EAPU) [MOD 9] 1-85-05-4057 | | | | | | | | | | | | | | | | | | | Date | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | 1838 | | | | | | | | | | | | | | | | 1162 | | 3000 | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | 49.9 | | | | | | | | | | | | | | | | 32.0 | | 81.9 |
| Equipment, Nonrecurring Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 1666 | 8.4 | 172 | 1.4 | | | | | | | | | | | | | | | 1666 | 8.4 |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | 172 | 1.4 |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installation | 1666 | 8.4 | 172 | 1.4 | | | | | | | | | | | | | 1162 | 7.9 | 1162 | 7.9 |
| Total Procurement Cost | | 58.3 | | 1.4 | | | | | | | | | | | | | 1162 | 7.9 | 3000 | 17.7 |
| | | | | | | | | | | | | | | | | | | 39.9 | | 99.6 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|-----|-----|-----|---------|-----|-----|-----|---------|---------|----|-----|---------|---------------|--------------|---------|-------------|------|------|---------|--|--|--|---------|--|--|--|---------|--|--|--|---------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------|----|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|------|------|-----|-----|-----|-----|-----|--------|-----|-----|-----|--|--|--|--|--|--|--|--|------|------|--------|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE: NBC Fire Warning (NBCFW) [MOD 10] 1-97-05-4524 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 = 0, IPM1 = 0, M1A1 = 4327, M1A2 = 0 TOTAL RQMT = 4327 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>The NBC Fire Warning (NBCFW) modification is an NBC (Nuclear, Chemical & Biological) system safety fix. It addresses the problem of NBC system fires caused by overheating. The NBCFW will provide for an audible warning alarm in the crew CVC helmet that sounds when the NBC sponson over - temperature light illuminates. This audible warning will allow tank crews to take the early action necessary to properly deal with an NBC filter fire. Only the M1A1 requires this modification. Earlier models do not have the NBC system on - board and M1A2's are being modified through a software change.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | PLANNED | | | | | ACCOMPLISHED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preliminary Design Review | | | | | | | | | | - | | | | | 2Q96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical Design Review | | | | | | | | | | - | | | | | 3Q97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Initial Operational Test & Eval. | | | | | | | | | | - | | | | | 1Q98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPR Production Decision | | | | | | | | | | - | | | | | 2Q98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T D P Available | | | | | | | | | | - | | | | | 1Q99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td></td><td></td><td></td><td></td> <td>200</td><td>123</td><td>123</td><td>124</td> <td>125</td><td>50</td><td>50</td><td>123</td> <td>123</td><td>124</td><td>124</td><td>125</td> <td>123</td><td>123</td><td>123</td><td>124</td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | | | | | 200 | 123 | 123 | 124 | 125 | 50 | 50 | 123 | 123 | 124 | 124 | 125 | 123 | 123 | 123 | 124 | Inputs | | | | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | 200 | 123 | 123 | 124 | 125 | 50 | 50 | 123 | 123 | 124 | 124 | 125 | 123 | 123 | 123 | 124 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th colspan="2">Totals</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>To Complete</th><th>To</th> </tr> </thead> <tbody> <tr> <td>123</td> <td>123</td><td>124</td><td>125</td><td>125</td> <td>123</td><td>123</td><td>124</td><td>125</td> <td>1</td><td>1</td><td>2</td><td>3</td> <td>4</td><td>1</td><td>2</td><td>3</td> <td>4</td><td>1157</td><td>4327</td> </tr> <tr> <td>123</td> <td>123</td><td>124</td><td>125</td><td>125</td> <td>123</td><td>123</td><td>124</td><td>125</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>1652</td><td>4327</td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | To Complete | To | 123 | 123 | 124 | 125 | 125 | 123 | 123 | 124 | 125 | 1 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1157 | 4327 | 123 | 123 | 124 | 125 | 125 | 123 | 123 | 124 | 125 | | | | | | | | | 1652 | 4327 | Inputs | | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | To Complete | To | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 123 | 123 | 124 | 125 | 125 | 123 | 123 | 124 | 125 | 1 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1157 | 4327 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 123 | 123 | 124 | 125 | 125 | 123 | 123 | 124 | 125 | | | | | | | | | 1652 | 4327 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Contractor Team | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1999 AUG 99 FY 2000 JAN 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1999 DEC 99 FY 2000 JUN 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRODUCTION LEADTIME: 5 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2001 JAN 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2001 JUN 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | |
|--|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|------|-----|-------|------|
| NBC Fire Warning (NBCFW) [MOD 10] 1-97-05-4524 | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | |
| FY 1998 and Prior | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | |
| Kit Quantity | 200 | | 495 | | 495 | | 495 | | 495 | | 495 | | 495 | | 1157 | | 4327 | |
| Installation Kits | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | | | | | | |
| Equipment | | 0.5 | | 1.2 | | 1.3 | | 1.3 | | 1.3 | | 1.3 | | 1.4 | | 3.3 | | 11.6 |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | 200 | 0.1 |
| FY 2000 Eqpt -- Kits | | | 200 | 0.1 | | 495 | 0.2 | | | | | | | | | | 495 | 0.2 |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | 495 | 0.2 |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | 495 | 0.2 |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | 495 | 0.2 |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | 495 | 0.2 |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | 495 | 0.2 |
| TC Equip-Kits | | | | | | | | | | | | | | | | | 1652 | 0.7 |
| Total Installment | | | 200 | 0.1 | 495 | 0.2 | 495 | 0.2 | 495 | 0.2 | 495 | 0.2 | 495 | 0.2 | 1652 | 0.7 | 4327 | 1.8 |
| Total Procurement Cost | | | | 1.3 | | 1.5 | | 1.5 | | 1.5 | | 1.5 | | 1.6 | | 4.0 | | 13.4 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | Date | February 2000 | | |
|--|--|---------|---|---------|---|--------------|---|---------|---|---------|---------------|--------|---|
| MODIFICATION TITLE: Hand - Held Fire Extinguisher (HHFE) [MOD 11] 1-97-05-4525 | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0, IPM1 = 0, M1A1 = 3750, M1A2 = 0 TOT RQMT = 3750 | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | |
| <p>Under the terms of the 1988 Montreal Protocol in which 93 countries including the U.S.A. agreed to phase out Ozone Depleting Chemicals (ODC's), HALON 1301 used in the Abrams Tank for fire suppression must be eliminated. One current program does this in the engine compartment. This additional program will replace HALON Hand - Held Fire Extinguishers in the Abrams turret with new Non - HALON extinguishers. The funding identified here - in will support the initial buy of Abrams Hand - Held Fire Extinguishers. Note that installation funding is NOT identified. This program is expected to result in a one - for - one replacement in each Abrams tank which can easily be accomplished by tank crews so deliveries will be directly to tank units and no formal installation program is required nor is one shown below. Also note that four (4) extinguishers are required per tank so that 15000 will equip the 3750 tanks noted above while Reserve and N.G. tank requirements will be funded within their</p> | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | |
| PLANNED | | | | | | ACCOMPLISHED | | | | | | | |
| Preliminary Design Review | | | | | | 2Q97 | | | | | | | |
| Critical Design Review | | | | | | 2Q98 | | | | | | | |
| Initial Operational Test & Eval. | | | | | | 4Q98 | | | | | | | |
| IPR Production Decision | | | | | | 2Q99 | | | | | | | |
| T D P Available | | | | | | 3Q00 | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: | | | | | | | | | | | | | |
| Contract Dates: | | FY 1999 | | FY 2000 | | JAN 00 | | JAN 01 | | MAY 01 | | MAY 01 | |
| Delivery Date: | | FY 1999 | | FY 2000 | | JAN 00 | | JAN 01 | | MAY 01 | | MAY 01 | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---------------|-------|---------|---------|---|---|---------|--|--|--|---------|--|--|--|---------|--|--|--|---------|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|---------|--|--|--|---------|--|--|--|---------|--|--|--|---------|--|--|--|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| MODIFICATION TITLE: M1A2 Field Mods (A2FM) [MOD 12] 1-97-05-4534 | | | | | | | | | | | | | | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1A2 Only | | | | | | | | | | | | | | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DESCRIPTION / JUSTIFICATION:</p> <p>M1A2 Field Modifications (A2FM) represents funding for a continuing series of upgrades for M1A2 unique LRU's (Line Replaceable Unit's) and/or SRU's (Shop Replaceable Unit's). Examples of these include the Fire - Control Electronics Unit (FCEU), Commander's Integrated Display (CID) and various electronic "cards" (A6, A9, A10, A12 & A13 for example) for which modification rather than replacement is both feasible and cost effective. There is no set quantity for this modification and, therefore no installation schedule in the normal sense of the term. These upgrades will be applied to every fielded M1A2 tank as each is proven and approved and the number of fielded M1A2's will continue to increase. This program is expected to "run" as long as M1A2 production and fielding continues.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:</p> <p style="text-align: center;">N / A</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Installation Schedule:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th rowspan="2">Totals</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | | | | | | | | | | | | | | | | | | | | | Inputs | | | | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | | Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | | | | | | | | | | | | | | | | | | Inputs | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>METHOD OF IMPLEMENTATION: Depot Team</p> <p>Contract Dates: FY 1999</p> <p>Delivery Date: FY 1999</p> <p>ADMINISTRATIVE LEADTIME: FY 2000</p> <p>PRODUCTION LEADTIME: FY 2001</p> <p>Months: FY 2001</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | Date | | February 2000 | | | | |
|---|----------------------|-----|---------|-----|---------|-----|---------|-----|---------|----|---------|----|---------|------|---------|---------------|-----|-----|-------|------|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| M1A2 Field Mods (A2FM) [MOD 12] 1-97-05-4534 | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | | | | | | | | | | | | | | | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 2.1 | | | | | | | | | | | | | | | | | | | 2.1 |
| FY 1999 Eqpt -- Kits | | 0.8 | | | | | | | | | | | | | | | | | | 0.8 |
| FY 2000 Eqpt -- Kits | | | | 0.9 | | | | | | | | | | | | | | | | 0.9 |
| FY 2001 Eqpt -- Kits | | | | | 1.0 | | | | | | | | | | | | | | | 1.0 |
| FY 2002 Eqpt -- kits | | | | | | 0.9 | | | | | | | | | | | | | | 0.9 |
| FY 2003 Eqpt -- kits | | | | | | | 1.0 | | | | | | | | | | | | | 1.0 |
| FY 2004 Eqpt -- kits | | | | | | | | 1.4 | | | | | | | | | | | | 1.4 |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | 1.4 | | | | | | 1.4 |
| TC Equip-Kits | | | | | | | | | | | | | | | 1.2 | | | | | 1.2 |
| Total Installation | 2.1 | 0.8 | | 0.9 | | 1.0 | | 0.9 | | | 1.0 | | 1.4 | | 1.2 | | | 3.3 | | 12.6 |
| Total Procurement Cost | 2.1 | 0.8 | | 0.9 | | 1.0 | | 0.9 | | | 1.0 | | 1.4 | | 1.2 | | | 3.3 | | 12.6 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | |
|---|---------|---|---------|---|---------|---|---------|---|---------|---|---|---|----------|---------------|---|---|
| | | | | | | | | | | | | | | Date | | |
| | | | | | | | | | | | | | | February 2000 | | |
| MODIFICATION TITLE: Matrix Support (MXSP) [MOD 13] OSIP NO 14 | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: WHOLE FLEET | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: Matrix Support funds Government salaries for Engineering, Quality Assurance, Procurement and Logistics support of the entire Abrams Tank Modification program. | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N / A | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | |
| Inputs Outputs | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| | Totals | | | | | | | | | | | | | | | |
| Inputs Outputs | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | To | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | | |
| | Totals | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: PM/PEO Initiative | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 N/A FY 2000 N/A FY 2001 N/A FY 2002 N/A FY 2003 N/A FY 2004 N/A FY 2005 N/A FY 2006 N/A FY 2007 N/A FY 2008 N/A FY 2009 N/A FY 2010 N/A | | | | | | | | | | | | | | | | |
| Delivery Date: | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | |
|---|---------|---------|---------|---------|---------|---------|---------|---------|-----|-----|-------|---------------|
| Date | | | | | | | | | | | | February 2000 |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | |
| Matrix Support (MXSP) [MOD 13] OSIP NO 14 | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | |
| | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | | TOTAL | |
| | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty |
| RDT&E | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | |
| Kit Quantity | | | | | | | | | | | | |
| Installation Kits | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | |
| Equipment | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | |
| Data | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | |
| Support | | | | | | | | | | | | |
| Other | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | |
| | 1.4 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | | | 116.8 | 122.4 |
| Installation of Hardware | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | |
| Total Installation | | | | | | | | | | | | |
| Total Procurement Cost | 1.4 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | | | 116.8 | 122.4 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | |
|--|---------|----|----|----|---------|----|----|----|---------|---------------------------------------|----|---------------|---------|----|--|----|------|--|--|
| | | | | | | | | | | Date | | February 2000 | | | | | | | |
| MODIFICATION TITLE: DU Armor [MOD 14] 1-98-05-4545 | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0, IPM1 = 0, M1A1 = 1463, M1A2 = 0 TOTAL = 1463 | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: Depleted Uranium [DU] Armor Package is a Classified Program. | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: N / A (This is a continuation of the M1A2 Armor Program) 72 armor sets procured with M1A2 upgrade (SSN: GAO 750) funds will be installed with FY2004 funds. | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | FY 2003 | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | |
| Totals | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | |
| Totals | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | Totals | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | |
| Inputs | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 1463 | | |
| Outputs | 12 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 1535 | | |
| METHOD OF IMPLEMENTATION: | | | | | | | | | | | | | | | | | | | |
| Contract Dates: | | | | | | | | | | Contractor: N/A | | | | | ADMINISTRATIVE LEADTIME: 6 Months | | | | |
| Delivery Date: | | | | | | | | | | FY 1999: N/A | | | | | FY 2000: N/A | | | | |
| | | | | | | | | | | FY 1999: N/A | | | | | FY 2001: N/A | | | | |
| | | | | | | | | | | PRODUCTION LEADTIME: 13 Months | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | Date | | February 2000 | | | | |
|---|-------------------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|------|---------|---------------|-------|------|-------|------|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| DU Armor [MOD 14] 1-98-05-4545 | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | | | | | | | | | | | 240 | | 120 | | 1103 | | 1463 | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | | 91.7 | | 56.5 | | 581.0 | | 729.2 | |
| Equipment, Nonrecurring Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | 72 | 3.6 | 120 | 6.1 | | | 72 | 3.6 |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | 120 | 6.1 |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | 1343 | 78.0 |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | 1535 | 87.7 |
| Total Installment | | | | | | | | | | | | | 72 | 3.6 | 120 | 6.1 | 1343 | 78.0 | 1535 | 87.7 |
| Total Procurement Cost | | | | | | | | | | | | | 95.3 | | 62.6 | | 659.0 | | 816.9 | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|---|---|-----------------|---|--------------|---------|--------------------------|----|---------|---------------|----------------------|---------|-----|-----|---------|--|--|---------|--|--|---------|--|--|---------|--|---|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|----|---|---|---|---|---|---|---|--------|---|---|---|---|--|--|--|--|--|--|--|--|--------|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|
| | | | | | | | | | | Date | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE: Improved Turret Side Armor [MOD 15] 1-99-05-4555 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1A1 = 100 and M1A2 = 767 - TOTAL = 867 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Improved Turret Side Armor is a completely passive special armor designed to improve RPG (Rocket Propelled Grenade) protection by 250% on the turret sides of the crew compartment. The new design will completely replace the current turret side armor and significantly enhance tank / crew operational capabilities and survivability. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLANNED | | | | | | ACCOMPLISHED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preliminary Design Review - - - - - 4Q98 | | | | | | 4Q98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contractor Test & Eval. - - - - - 2Q99 | | | | | | 2Q99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical Design Review - - - - - 4Q99 | | | | | | 4Q99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IPR Production Decision - - - - - 4Q00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tech. Data Package Available - - - - - 1Q01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Pr Yr</th> <th colspan="3">FY 1999</th> <th colspan="3">FY 2000</th> <th colspan="3">FY 2001</th> <th colspan="3">FY 2002</th> <th colspan="3">FY 2003</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>16</td> <td>5</td> <td>5</td> <td>5</td> <td>4</td> <td>4</td> <td>4</td> <td>5</td> </tr> <tr> <td>Inputs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Outputs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | Pr Yr | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | 16 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | Inputs | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 16 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th></th> <th colspan="3">FY 2004</th> <th colspan="3">FY 2005</th> <th colspan="3">FY 2006</th> <th colspan="3">FY 2007</th> <th colspan="2">Totals</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>7</td> <td>7</td> <td>7</td> <td>8</td> <td>7</td> <td>7</td> <td>7</td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>7</td> <td>8</td> <td>8</td> <td>7</td> <td>7</td> <td>7</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Inputs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Outputs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>745</td> <td>867</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>772</td> <td>867</td> </tr> </tbody> </table> | | | | | | | | | | | | | FY 2004 | | | FY 2005 | | | FY 2006 | | | FY 2007 | | | Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 6 | | | | | | | | | 7 | 7 | 8 | 8 | 7 | 7 | 7 | 8 | | | | | | | | | Inputs | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 745 | 867 | | | | | | | | | | | | | | | 772 | 867 |
| | FY 2004 | | | FY 2005 | | | FY 2006 | | | FY 2007 | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 7 | 7 | 8 | 7 | 7 | 7 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 7 | 8 | 8 | 7 | 7 | 7 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | 745 | 867 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 772 | 867 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: | | | | Contractor Team | | | | ADMINISTRATIVE LEADTIME: | | | | PRODUCTION LEADTIME: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1999 N/A | | | | FY 1999 N/A | | | | FY 2000 N/A | | | | FY 2001 N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: | | | | FY 1999 N/A | | | | FY 2000 N/A | | | | FY 2001 N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 6 Months | | | | 13 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | Date | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| MODIFICATION TITLE: Eyesafe Laser Rangefinder (ESLRF) [MOD 16] 1-99-05-4563 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0, IPM1 = 0, M1A1 = 4192, M1A2 = 0 TOTAL =4192 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>The Eyesafe Laser Rangefinder (ESLRF) is an improved laser rangefinder which is compatible with existing M1A1 tank sights (can range through obscuration to any target visible in day or night sights) and is eyesafe at any range. This enhancement allows for unit training / warfighting without the need for stringent safety precautions as had been required when employing the Nd:YAG LRF (Neodidium: Yttrium Aluminum Garnet Laser Range Finder) which can permanently damage unprotected eyes. The ESLRF is an integral part of a Force Modernization program that will ensure that the highest priority Force Package I M1A1 Units are equipped with the best A1 possible. The ESLRF represents a significant modification to the A1 fleet which will result in improved tank fightability and survivability.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: <p>N / A - The M1A1 ESLRF program is a continuation of the M1A2 Upgrade ESLRF program. All development, testing and decision milestones are complete.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: <table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Totals</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> <td>1</td><td>2</td><td>3</td><td>4</td> </tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th colspan="2">Totals</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>Complete</th><th></th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td>34</td><td>34</td><td>34</td><td>34</td> <td>52</td><td>53</td><td>53</td><td>53</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>3459</td><td>4192</td> </tr> <tr> <td>Outputs</td> <td>33</td><td>34</td><td>34</td><td>34</td> <td>33</td><td>34</td><td>34</td><td>34</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>3602</td><td>4192</td> </tr> </tbody> </table> METHOD OF IMPLEMENTATION: Contractor Team ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 9 Months Contract Dates: FY 1999 N / A FY 2000 N / A FY 2001 DEC 00 Delivery Date: FY 1999 N / A FY 2000 N / A FY 2001 SEP 01 | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Inputs | | | | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | Inputs | 34 | 34 | 34 | 34 | 52 | 53 | 53 | 53 | | | | | | | | | 3459 | 4192 | Outputs | 33 | 34 | 34 | 34 | 33 | 34 | 34 | 34 | | | | | | | | | 3602 | 4192 |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 34 | 34 | 34 | 34 | 52 | 53 | 53 | 53 | | | | | | | | | 3459 | 4192 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | 33 | 34 | 34 | 34 | 33 | 34 | 34 | 34 | | | | | | | | | 3602 | 4192 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | February 2000 | |
|---|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|-------|----|-------|---------------|--|
| Eyesafe Laser Rangefinder (ESLRF) [MOD 16] 1-99-05-4563 | | | | | | | | | | | | | | | | | | | Date | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | |
| Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | |
| RDT&E | | | | | | 185 | | 135 | | 135 | | 135 | | 143 | | 3459 | | 4192 | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | | | | | | | | | | | | | | | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | 5.1 | | 4.0 | | 4.0 | | 4.1 | | 4.3 | | 92.1 | | 113.6 | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | 185 | | 1.0 | | | | | | | | 185 | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | 135 | | 0.7 | | | | 135 | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | 135 | | 0.8 | | 135 | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | 135 | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | 3602 | | |
| Total Installment | | | | | | | | 185 | | 1.0 | | 135 | | 0.7 | | 135 | | 0.8 | | |
| Total Procurement Cost | | | | | | 5.1 | | 5.0 | | 4.7 | | 4.8 | | 5.1 | | 115.9 | | 140.6 | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | Date | February 2000 |
|---|--|---------|---|---------|---|---------|---|---------|---|--------------|---|--------|---------------|
| MODIFICATION TITLE: M1A1-D {Digitized} [MOD 17] 1-98-05-4542 | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0, IPM1 = 0, M1A1 = 98, M1A2 = 0 TOTAL = 98 | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | |
| <p>The Abrams M1A1-D is an M1A1 Abrams Main Battle Tank that has been equipped with a digital applique command and control package. The A-Kit consists of an Upgraded Tank Commander's Panel (UTCP) and associated peripheral hardware. The B-Kit is the Applique Computer display and keyboard. The C-Kit provides a far target capability by integrating a North Finding Module (NFM) and a Digital Interface Unit (DIU) to process raw tank data and format messages for transmittal to the Applique computer. Some of the tanks slated for this improvement also have to be modified to accept the Enhanced Position Locating and Reporting System, Commonly referred to as the EPLRS radio.</p> <p>This digitization modification will enable the M1A1 to exchange digital command and control data in the Army's Common Operating Environment format used the the more advance M1A2 SEP tanks and other members of the combined arms team. It is a key component of</p> | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | |
| PLANNED | | | | | | | | | | ACCOMPLISHED | | | |
| Preliminary Design Review | | | | | | | | | | 2Q98 | | | |
| Critical Design Review | | | | | | | | | | 3Q98 | | | |
| Initial Operational Test & Eval. | | | | | | | | | | 4Q98 | | | |
| IPR Production Decision | | | | | | | | | | 3Q99 | | | |
| E C P Available | | | | | | | | | | 3Q00 | | | |
| T D P Available | | | | | | | | | | 3Q00 | | | |
| Installation Schedule: | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | |
| FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | FY 2007 | | To | | Totals | |
| 1 | | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Contractor Team ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 8 Months | | | | | | | | | | | | | |
| Contract Dates: FY 1999 SEP 99 FY 2000 DEC 00 FY 2001 AUG 01 | | | | | | | | | | | | | |
| Delivery Date: FY 1999 JUL 00 FY 2000 JUN 01 FY 2001 JUN 02 | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------|---------|------------|---------------------------------------|------------|---------|------------|---|---|---------|---|---|----------|---------------|---|---------|--|--|---------------------------------------|--|--|---------|---------|------------|---------|------------|---------|------------|---------|------------|---------|------------|---------|------------|---------|------------|---------|------------|---|---|---|----------|----|--------|---|---|--------|---|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--------|-----|-----|-----|-----|--|--|---------|--|--|--|--|--|------|------|------|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE: Re-Power [MOD 18] 1-00-05-0014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0, IPM1 = 0, M1A1 = 1671, M1A2 = 1097 TOTAL = 2768 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>This modification is Phase II of the Abrams engine campaign plan. It is intended to reduce the O&S cost of the Abrams Tank engine. This mod will reengine the active component Abrams fleet with a lighter, more fuel efficient and more reliable engine.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: <div style="display: flex; justify-content: space-between;"> <div> PLANNED 1Q01 Preliminary Design Review 4Q01 Critical Design Review 4Q03 Development Test & Eval 2Q04 IPR Decision (LRIP) 3Q04 MWO Approved </div> <div> ACCOMPLISHED </div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="3">FY 1999</th> <th colspan="3">FY 2000</th> <th colspan="3">FY 2001</th> <th colspan="3">FY 2002</th> <th colspan="3">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th> <th>4</th><th>1</th><th>2</th> <th>3</th><th>4</th><th>1</th><th>2</th><th>3</th> <th>4</th><th>1</th><th>2</th> <th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 1 | | | | | | | | | | | | | | | | | Inputs | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th rowspan="2"></th> <th colspan="3">FY 2004</th> <th colspan="3">FY 2005</th> <th colspan="3">FY 2006</th> <th colspan="3">FY 2007</th> <th colspan="2">Totals</th> </tr> <tr> <th>1</th><th>2</th><th>3</th> <th>4</th><th>1</th><th>2</th> <th>3</th><th>4</th><th>1</th><th>2</th><th>3</th> <th>4</th><th>Complete</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td> <td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td> <td></td> </tr> <tr> <td>Totals</td> <td>112</td><td>112</td><td>112</td><td>112</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>2544</td><td>2544</td> <td>2768</td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | FY 2004 | | | FY 2005 | | | FY 2006 | | | FY 2007 | | | Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | To | Inputs | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | Totals | 112 | 112 | 112 | 112 | | | | | | | | | 2544 | 2544 | 2768 | | | | | | | | | |
| | FY 2004 | | | FY 2005 | | | FY 2006 | | | FY 2007 | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | To | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 112 | 112 | 112 | 112 | | | | | | | | | 2544 | 2544 | 2768 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: <table style="width: 100%;"> <tr> <td colspan="4">ADMINISTRATIVE LEADTIME: 24 Months</td> <td colspan="4">PRODUCTION LEADTIME: 24 Months</td> </tr> <tr> <td>FY 1999</td><td>Enter Date</td><td>FY 2000</td><td>Enter Date</td> <td>FY 2001</td><td>Enter Date</td><td>FY 2002</td><td>Enter Date</td> </tr> <tr> <td>FY 1999</td><td>Enter Date</td><td>FY 2000</td><td>Enter Date</td> <td>FY 2001</td><td>Enter Date</td><td>FY 2002</td><td>Enter Date</td> </tr> </table> | | | | | | | | | | | | | | | ADMINISTRATIVE LEADTIME: 24 Months | | | | PRODUCTION LEADTIME: 24 Months | | | | FY 1999 | Enter Date | FY 2000 | Enter Date | FY 2001 | Enter Date | FY 2002 | Enter Date | FY 1999 | Enter Date | FY 2000 | Enter Date | FY 2001 | Enter Date | FY 2002 | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: 24 Months | | | | PRODUCTION LEADTIME: 24 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1999 | Enter Date | FY 2000 | Enter Date | FY 2001 | Enter Date | FY 2002 | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1999 | Enter Date | FY 2000 | Enter Date | FY 2001 | Enter Date | FY 2002 | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 Enter Date FY 2000 Enter Date FY 2001 Enter Date FY 2002 Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 Enter Date FY 2000 Enter Date FY 2001 Enter Date FY 2002 Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | February 2000 | | |
|---|-------------------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|--------|---------------|--------|----|
| Re-Power [MOD 18] 1-00-05-0014 | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | | | | | | | 224 | | | | 404 | | 393 | | 1747 | | 2768 | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | 123.9 | | | | 237.8 | | 237.2 | | 1082.0 | | 1680.9 | |
| Engineering Change Orders | | | | | | | | | | | | | | | | | | | | |
| Data | | | | | | | | | | | | | | | | | | | | |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | | | | | | | 123.9 | | | | 237.8 | | 237.2 | | 1082.0 | | 1680.9 | |
| Total Procurement Cost | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | Date | February 2000 |
|--|--|---------|---|---------|---|---------|---|---------|---|---------|---|------|---------------|
| MODIFICATION TITLE: Electronics Obsolescence [MOD 19] 1-00-05-0015 | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M1 = 0, IPM1 = 0, M1A1 = 4327, M1A2 = 1174, TOTAL = 5501 | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | |
| <p>The M1A1 electronics employ 1980s or earlier technology. The focal points of M1A1 electronics are the turret network box (TNB) and hull network box (HNB). Both of these components have numerous obsolete parts that are only available through cannibalization of discarded components. Cannibalization is not a viable means to sustain the Abrams until 2030. Replacing the analog TNBs and HNBs with new digital units eliminates the associated obsolescence and allows us to introduce a built-in-test capability to support the Force XXI maintenance structure. Digital TNBs and HNBs also allow future electronic growth by providing unpopulated Versa Module European (VME) card slots.</p> <p>The Abrams M1A2 continuous electronics enhancement program (CEEP) is to upgrade the tank's electronics following a five (5) year cycle. Every five years obsolete components would be replaced with new components, thereby creating a moving technology baseline and resolving the obsolescence issues.</p> | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: PLANNED ACCOMPLISHED | | | | | | | | | | | | | |
| Redesignated TNB Critical Design Review 2Q00 Developmental Test & Eval 2Q00 IPR Decision 1Q01 Redesignated HNB Preliminary Design Review 2Q00 Critical Design Review 4Q00 Developmental Test & Eval 4Q00 IPR Decision 2Q01 | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | |
|---|----|---------|---------|---------|---------|---------|---------|---------|--------|-------|--------|
| Electronic Obsolescence [MOD 19] 1-00-05-0015 | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | |
| FY 1998 and Prior | | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | TOTAL | |
| Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RD1&E PROCUREMENT Kit Quantity Installation Kits Installation Kits, Nonrecurring Equipment Equipment, Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other Interim Contractor Support | | | | | | | | | | | |
| | | | | 8.9 | 23.5 | 6.0 | 45.5 | 62.6 | 1376.1 | | 1522.6 |
| Installation of Hardware FY 1998 & Prior Eqpt -- Kits FY 1999 Eqpt -- Kits FY 2000 Eqpt -- Kits FY 2001 Eqpt -- Kits FY 2002 Eqpt -- kits FY 2003 Eqpt -- kits FY 2004 Eqpt -- kits FY 2005 Eqpt -- kits TC Equip-Kits Total Installment Total Procurement Cost | | | | | | | | | | | |
| | | | | 8.9 | 23.5 | 6.0 | 45.5 | 62.6 | 1376.1 | | 1522.6 |

Exhibit P-40, Budget Item Justification Sheet

Date:

February 2000

Appropriation / Budget Activity/Serial No:

P-1 Item Nomenclature:

PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles

M1A1D RETROFIT (GA0720)

Program Elements for Code B Items:

Other Related Program Elements:

Code:

| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
|------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|------------|
| Proc Qty | | | | | | | 85 | 107 | 10 | 233 | 998 | 1433 |
| Gross Cost | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 11.6 | 12.9 | 6.0 | 24.0 | 116.1 | 171.6 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 11.6 | 12.9 | 6.0 | 24.0 | 116.1 | 171.6 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 11.6 | 12.9 | 6.0 | 24.0 | 116.1 | 171.6 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |

DESCRIPTION: The Abrams M1A1-D is an M1A1 Abrams Main Battle Tank that has been equipped with a digital applique command and control package. The A-Kit consists of an Upgraded Tank Commander's Panel (UTCP) and associated peripheral hardware. The B-Kit is the Applique computer display and keyboard. The C-Kit provides a far target capability by integrating a North Finding Module (NFM) and a Digital Interface Unit (DIU) to process raw tank data and format messages for transmittal to the Applique computer. Some of the tanks slated for this improvement also have to be modified to accept the Enhanced Position Locating and Reporting System, commonly referred to as the EPLRS radio.

JUSTIFICATION: This digitization modification will enable the M1A1 to exchange digital command and control data in the Army's Common Operating Environment format used by the more advanced M1A2 SEP tanks and other members of the combined arms team. It is a key component of the Army's plan to field the First Digital Division in CY00.

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | P-1 Line Item Nomenclature: M1A1D RETROFIT (GA0720) | | Weapon System Type: | | Date: February 2000 | | |
|--|----|--|------|--|-----------|---------------------|----------|------------------------|------|----------|
| ID | CD | FY 98 | | FY 99 | | FY 00 | | FY 01 | | |
| | | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost |
| | | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 |
| Cost Elements | | | | | | | | | | |
| 1. Upgraded Tank Commander's Panel (A-Kit)/1 | | | | | | | | | | |
| 2. Applique Computer (B-Kit)/1 | | | | | | | | | | |
| 3. Far Target (C-Kit) /1 | | | | | | | | | | |
| 4. Government Support (including Test) | | | | | | | | | | |
| Total | | | | | | | | | | |
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| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: February 2000 |
|--|-------------------------|--------------------------|------------------|------------|--|----------|-----------------|------------------|-------------------|---------------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | Weapon System Type: | | | P-1 Line Item Nomenclature: M1A1D RETROFIT (GA0720) | | | | | |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date |
| 1. Upgraded Tank Commander's Panel (A-Kit) /1 | GDLS /2 | CPFF | TACOM | | | | | | | |
| 2. Applique Computer (B-Kit Integration Hardware) /1 | PM, FBCB2 | GFE | Ft. Monmouth, NJ | | | | | | | |
| 3. Far Target (C-Kit) /1 | GDLS/2 | CPFF | TACOM | | | | | | | |
| 4. Government Support (including test) | Various | Various | Various | N/A | N/A | N/A | | | | |
| REMARKS: <ol style="list-style-type: none"> 1. Funded under SSN GA0700 2. General Dynamics Land Systems, Sterling Heights, MI | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHs / 1 / Tracked Combat Vehicles | | | | | | | | | | | | SYSTEM ENHANCEMENT PGM: SEP M1A2 (GA0730) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | 16 | 20 | 30 | 29 | 27 | 505 | 627 | | |
| Gross Cost | 0.0 | 0.0 | 0.0 | 0.0 | 36.1 | 58.3 | 87.2 | 89.8 | 89.7 | 1621.4 | 1982.5 | | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.1 | 87.2 | 89.8 | 89.7 | 1621.4 | 1982.5 | | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.1 | 87.2 | 89.8 | 89.7 | 1621.4 | 1982.5 | | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | 2.3 | 2.9 | 2.9 | 3.1 | 3.3 | 3.2 | 3.2 | | |

DESCRIPTION: The M1A2 Systems Enhancement Program (SEP) upgrades 627 M1A2 tanks to the newer SEP configuration. This modification updates the on-board computer systems of the M1A2 tank and incorporates Second Generation Forward Looking Infra-Red (FLIR) technology into the Gunner's Primary Sight (GPS) and the Commander's Independent Thermal Viewer (CITV). The total system design also easily accommodates future computer system upgrades. The SEP tank features the Army's Common Operating Environment software, which facilitates the digital flow of command and control data among the members of the combined arms team.

JUSTIFICATION: The SEP Program will modernize the U.S. Army's armor force to enhance the combat effectiveness of the Abrams Tank Fleet and maintain the key elements of the tank industrial base.

| Exhibit P-5, Weapon WTCV Cost Analysis | | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | P-1 Line Item Nomenclature: SYSTEM ENHANCEMENT PGM: SEP M1A2 (GA0730) | | | | Weapon System Type: | | Date: February 2000 | | | |
|---|--|--|--|------|-----------|-------|---|------|-----------|-------|---------------------|------|------------------------|-----------|------|----------|
| Cost Elements | | | FY 98 | | FY 99 | | FY 00 | | FY 01 | | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost |
| | | | TotalCost | Qty | TotalCost | Qty | TotalCost | Qty | TotalCost | Qty | | | | | | |
| | | | \$000 | Each | \$000 | \$000 | \$000 | Each | \$000 | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 |
| 1. SEP | | | | | | | | | | | 19783 | 16 | | 1236 | | |
| 2. FLIR | | | | | | | | | | | 13200 | 16 | | 825 | | |
| 3. M1A2 Depot-Maintenance Pre-MOD | | | | | | | | | | | 3166 | | | | | |
| TOTAL | | | | | | | | | | | 36149 | | | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: February 2000 |
|---|-------------------------|--------------------------|-----------------|--|------------------------|----------|-----------------|------------------|-------------------|---------------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | Weapon System Type: | | P-1 Line Item Nomenclature: SYSTEM ENHANCEMENT PGM: SEP M1A2 (GA0730) | | | | | | |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date |
| 1. SEP Kit FY 01 | GDLS /1 | SS/FFP | TACOM-Warren | Jun-01 | Dec-02 | 16 | 1236 | Yes | | Sep 00 |
| 2. FLIR FY 01 | Various | SS/FFP | CECOM | Nov-00 | Jun-02 | 16 | 825 | Yes | | Sep 00 |
| REMARKS: /1 General Dynamics Land System, Sterling Hgts, MI | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | ABRAMS UPGRADE PROGRAM (GA0750) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | 306 | 120 | 120 | 120 | 120 | 80 | 80 | 80 | 43 | 24 | | 1093 | |
| Gross Cost | 1230.0 | 500.8 | 569.6 | 688.2 | 680.4 | 551.8 | 560.5 | 567.8 | 379.9 | 280.8 | 453.5 | 6463.3 | |
| Less PY Adv Proc | 411.9 | 297.2 | 258.2 | 259.9 | 260.7 | 213.4 | 174.4 | 194.4 | 98.6 | 91.5 | | 2260.3 | |
| Plus CY Adv Proc | 709.1 | 258.2 | 259.9 | 260.7 | 213.4 | 174.4 | 194.4 | 98.6 | 91.5 | | | 2260.3 | |
| Net Proc (P-1) | 1527.2 | 461.7 | 571.3 | 689.1 | 633.1 | 512.9 | 580.5 | 472.0 | 372.7 | 189.3 | 453.5 | 6463.2 | |
| Initial Spares | 21.4 | 9.5 | 13.4 | 9.7 | 9.7 | 14.8 | 23.4 | 25.2 | 25.3 | 25.3 | 113.9 | 291.6 | |
| Total Proc Cost | 1548.6 | 471.2 | 584.7 | 698.8 | 642.8 | 527.7 | 603.9 | 497.2 | 398.0 | 214.6 | 567.4 | 6754.8 | |
| Flyaway U/C | 3.6 | 3.6 | 4.1 | 5.3 | 5.3 | 6.0 | 6.0 | 6.1 | 7.1 | 9.3 | | | |
| Wpn Sys Proc U/C | 4.0 | 4.2 | 4.7 | 5.7 | 5.7 | 6.9 | 7.0 | 7.1 | 8.8 | 11.7 | | | |

DESCRIPTION: The Abrams Tank Upgrade Program supports the Department of Army vision for the future. The Upgrade Program reconfigures M1 Tanks to the M1A2 configuration making it a more survivable and lethal tank. This includes the Commander's Independent Thermal Viewer (CITV), Improved Commander's Weapon Station (ICWS), Position Navigation (POS/NAV) equipment, Radio Interface Unit (RIU), Core Architecture, D. U. Armor, 120mm Gun and Nuclear, Biological and Chemical (NBC) protection. In FY99 2nd Generation Forward Looking Infrared (FLIR) and vehicle core electronic upgrades will be cut into production.

JUSTIFICATION: The Upgrade Program will modernize the U.S. Army's armor force to enhance the combat effectiveness of the Abrams Tank Fleet and maintain the key elements of the tank industrial base.

| Exhibit P-5, Weapon WTCV Cost Analysis | | | Appropriation Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKO CMBT VEHS / 1 / Tracked Combat Vehicles | | | P-1 Line Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750) | | | Weapon System Type: | | | Date: February 2000 | | |
|---|----|--|---|-------|----------|--|-------|----------|---------------------|-------|----------|------------------------|-------|----------|
| Cost Elements | | | FY 98 | | | FY 99 | | | FY 00 | | | FY 01 | | |
| ID | CD | | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost |
| | | | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 |
| 1. Basic Vehicle | A | | 366023 | 120 | | 3050 | 120 | | 327431 | 120 | 2729 | 247045 | 80 | 3088 |
| 2. Armor | | | 39784 | 120 | | 332 | 120 | | 56814 | 121 | 470 | 48918 | 120 | 408 |
| 3. H/TEU | | | 23881 | 120 | | 199 | 120 | | 28502 | 120 | 238 | 18921 | 80 | 237 |
| 4. Engine Refurb | | | 24131 | 120 | | 201 | 120 | | 24962 | 120 | 208 | 18866 | 80 | 236 |
| 5. Transmission | | | 1369 | 240 | | 6 | 240 | | 1909 | 240 | 8 | 1363 | 160 | 9 |
| 6. Final Drive | | | 1905 | 120 | | 16 | 120 | | 2630 | 120 | 22 | 1857 | 80 | 23 |
| 7. Fire Control | | | 5116 | 18720 | | | 18720 | | 5333 | 18720 | | 3603 | 12480 | |
| 8. Track | | | 1417 | 3840 | | | 3840 | | 1438 | 3840 | | 972 | 2560 | |
| 9. Roadwheels | | | 2526 | 60 | | 42 | 60 | | 2526 | 60 | 42 | 1786 | 40 | 45 |
| 10. Gun Mounts | | | 14601 | 120 | | 122 | 120 | | 24384 | 120 | 203 | 16911 | 80 | 211 |
| 11. Gun | | | 657 | 120 | | 5 | 120 | | 667 | 120 | 6 | 451 | 80 | 6 |
| 12. Driver's Night Viewer | | | 915 | 120 | | 8 | 120 | | 929 | 120 | 8 | 657 | 80 | 8 |
| 13. Basic Issue Items | | | 864 | 120 | | 7 | 120 | | 877 | 120 | 7 | 592 | 80 | 7 |
| 14. MILSTRIPS/RIK | | | 1238 | 120 | | 10 | 120 | | 1277 | 120 | 11 | 895 | 80 | 11 |
| 15. VIS | | | 16458 | | | | | | 18200 | | | 10800 | | |
| 16. Special Tools & Test Sets | | | 40686 | | | | | | 36945 | | | 58877 | | |
| 17. System Technical Support (STS) | | | 3146 | | | | | | 3192 | | | 3235 | | |
| 18. Project Mgt Administration | | | 5793 | | | | | | 7349 | | | 7447 | | |
| 19. Matrix Support | | | 88 | | | | | | 2496 | | | 2530 | | |
| 20. Auxiliary Services | | | 2830 | | | | | | 7181 | | | 7277 | | |
| 21. Engineering Support | | | 1023 | | | | | | 1558 | | | 1579 | | |
| 22. Quality Support | | | 5136 | | | | | | 6335 | | | 4450 | | |
| 23. Testing | | | 417 | | | | | | 423 | | | 286 | | |
| 24. Transportation (FDT) | | | 9751 | | | | | | 12995 | | | 13248 | | |
| 25. Total Package Fielding | | | 101026 | 120 | | 842 | 120 | | 88693 | 120 | 739 | 56181 | 80 | 702 |
| 26. II Gen FLIR | | | 15172 | 120 | | 126 | 120 | | 15348 | 120 | 128 | 12201 | 80 | 153 |
| 27. Pre Mod Depot Maint | | | 2256 | | | | | | | | | 10880 | | |
| 28. GDLS SEP-S/ISA | | | | | | | | | | | | | | |
| 29. Industrial Base/"Shut Down" | | | | | | | | | | | | | | |
| Gross P-1 End Cost | | | 688209 | 120 | | 5735 | 120 | | 680394 | 120 | 5670 | 551828 | 80 | 6998 |
| Less: Prior Year Adv Proc | | | 259891 | | | | | | 260738 | | | 213406 | | |
| Net P-1 Full Funding Cost | | | 428318 | | | | | | 419656 | | | 338422 | | |
| Plus: P-1 CY Adv Proc | | | 260738 | | | | | | 213406 | | | 174445 | | |
| Other Non P-1 Costs | | | | | | | | | | | | | | |
| Initial Spares | | | 9699 | | | | | | 9713 | | | 14807 | | |
| Mods | | | | | | | | | | | | | | |
| TOTAL | | | 698755 | | | | | | 642775 | | | 527674 | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | | | |
|---|--|----------------------------|--|--------------------------|---------------------|------------|------------------------|--|-----------------|------------------|------------------|----------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | Weapon System Type: | | | P-1 Line Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750) | | | | |
| WBS Cost Elements: Fiscal Years | | Contractor and Location | | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revis Avail | RFP Issue Date |
| 1. Basic Vehicle | | | | | | | | | | | | |
| FY 99 | | GDLS/1 | | /2(4) | TACOM-Warren | Feb-99 | Aug-99 | 120 | 3050 | Yes | | Jan 95 |
| FY 00 | | GDLS/1 | | /2(5) | TACOM-Warren | Feb-00 | Aug-00 | 120 | 2729 | Yes | | Jan 95 |
| FY 01 | | GDLS/1 | | SS/FFP | TACOM-Warren | Feb-01 | Aug-01 | 80 | 3088 | Yes | | Sep 99 |
| 2. Armor/3 | | | | | | | | | | | | |
| FY 99 | | LITCO/4 | | SS/CPFF | DOE/5 | Jan-98 | Feb-99 | 120 | 332 | NA | | NA |
| FY 00 | | LITCO/4 | | SS/CPFF | DOE/5 | Jan-99 | Feb-00 | 121 | 470 | NA | | NA |
| FY 01 | | LITCO/4 | | SS/CPFF | DOE/5 | Jan-00 | Feb-01 | 120 | 408 | NA | | NA |
| 3. H/TEU | | | | | | | | | | | | |
| FY 98 | | GDLS/1 | | Option | TACOM-ACALA | Mar-97 | Feb-98 | VAR | VAR | Yes | | Feb 96 |
| 4. Engine Refurb/6 | | | | | | | | | | | | |
| FY 99 | | Allied/Signal/7 | | SS/FFP/C | TACOM-Warren | Feb-98 | Feb-99 | 120 | 199 | Yes | | Sep 97 |
| FY 00 | | Allied/Signal/7 | | Option | TACOM-Warren | Jan-99 | Feb-00 | 120 | 238 | Yes | | Sep 97 |
| FY 01 | | Allied/Signal/7 | | Option | TACOM-Warren | Feb-00 | Feb-01 | 80 | 237 | Yes | | Sep 97 |
| 5. Transmission | | | | | | | | | | | | |
| FY 99 | | Allison Transmission Div/8 | | Option | TACOM-Warren | Feb-98 | Feb-99 | 120 | 201 | Yes | | Dec 96 |
| FY 00 | | Allison Transmission Div/8 | | Option | TACOM-Warren | Feb-99 | Feb-00 | 120 | 208 | Yes | | Dec 96 |
| FY 01 | | Allison Transmission Div/8 | | S/FFP/C | TACOM-Warren | Jul-00 | Feb-01 | 80 | 236 | Yes | | Jun 99 |
| REMARKS: /1. General Dynamics Land System, Warren, MI /8. Allison Transmission Div, GM Corp, Indianapolis, IN | | | | | | | | | | | | |
| /2. SS/FFP/M5 | | | | | | | | | | | | |
| /3. Armor Production leads tank production | | | | | | | | | | | | |
| /4. Bechtel BXWT, Idaho Falls, ID | | | | | | | | | | | | |
| /5. Department of Energy | | | | | | | | | | | | |
| /6. Awards are against a Navy BOA Contract therefore no RFP issued only letter with new requirements | | | | | | | | | | | | |
| /7. AlliedSignal/Control & Accessories, Tucson, AZ | | | | | | | | | | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | | Date: | February 2000 |
|---|--|--------------------------|--|--------------------------|-----------------|------------|--|----------|-----------------|------------------|-------------------|----------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | Weapon System Type: | | | P-1 Line Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750) | | | | | |
| WBS Cost Elements: | | Contractor and Location | | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date |
| Fiscal Years | | | | | | | | | | | | |
| 6. Final Drive | | | | | | | | | | | | |
| FY 99 | | LOC Performance, Inc/1 | | Option | TACOM-Warren | Dec-97 | Feb-99 | 240 | 6 | Yes | | Apr 95 |
| FY 00 | | LOC Performance, Inc/1 | | C/FFP | TACOM-Warren | Dec-98 | Feb-00 | 240 | 8 | Yes | | May 98 |
| FY 01 | | LOC Performance, Inc/1 | | Option | TACOM-Warren | Dec-99 | Feb-01 | 160 | 9 | Yes | | May 98 |
| 7. Fire Control | | | | | | | | | | | | |
| FY 99 | | Hughes/2/Various | | Various | TACOM-Warren | Var | Feb-99 | 120 | 16 | Yes | | Var |
| FY 00 | | Hughes/2/Various | | Various | TACOM-Warren | Var | Feb-00 | 120 | 22 | Yes | | Var |
| FY 01 | | Hughes/2/Various | | Various | TACOM-Warren | Var | Feb-01 | 80 | 23 | Yes | | Var |
| 8. Track | | | | | | | | | | | | |
| FY 99 | | Goodyear Tire & Rubber/3 | | SS/FFP | TACOM-Warren | May-98 | Feb-99 | 18720 | | Yes | | Dec 97 |
| FY 00 | | Goodyear Tire & Rubber/3 | | Option | TACOM-Warren | Mar-99 | Feb-00 | 18720 | | Yes | | Dec 97 |
| FY 01 | | Goodyear Tire & Rubber/3 | | Option | TACOM-Warren | Mar-00 | Feb-01 | 12480 | | Yes | | Dec 97 |
| 9. Roadwheels | | | | | | | | | | | | |
| FY 99 | | B&C Corp/4 | | /5 | TACOM-Warren | Jan-98 | Feb-99 | 3840 | | Yes | | Sep 95 |
| FY 00 | | TBD | | /5 | TACOM-Warren | May-00 | Feb-00 | 3840 | | Yes | | Sep 98 |
| FY 01 | | TBD | | /5 | TACOM-Warren | Jan-00 | Feb-01 | 2560 | | Yes | | Sep 98 |
| REMARKS: | | | | | | | | | | | | |
| /1. Loc Performance, Inc, Plymouth, Mi | | | | | | | | | | | | |
| /2. Hughes Aircraft, El Segundo, CA | | | | | | | | | | | | |
| /3. Goodyear Tire & Rubber Co., Akron, OH | | | | | | | | | | | | |
| /4. B&C Corp, Barberton, OH | | | | | | | | | | | | |
| /5. Requirement Contract/FFP | | | | | | | | | | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | | |
|--|--|-------------------------|--------------------------|-----------------|---------------------|------------------------|--|-----------------|------------------|------------------|----------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | Weapon System Type: | | P-1 Line Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750) | | | | |
| WBS Cost Elements: Fiscal Years | | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revis Avail | RFP Issue Date |
| 10. Gun Mounts | | | | | | | | | | | |
| FY 99 | | RIA/1 | WR | | Apr-98 | Feb-99 | 60 | 42 | Yes | | NA |
| FY 00 | | RIA/1 | WR | | Mar-99 | Feb-00 | 60 | 42 | Yes | | NA |
| FY 01 | | RIA/1 | WR | | Apr-00 | Feb-01 | 40 | 45 | Yes | | NA |
| 11. Gun | | | | | | | | | | | |
| FY 99 | | Watervliet Arsenal | WR | | Mar-98 | Feb-99 | 120 | 122 | Yes | | NA |
| FY 00 | | Watervliet Arsenal | WR | | Mar-99 | Feb-00 | 120 | 203 | Yes | | NA |
| FY 01 | | Watervliet Arsenal | WR | | Mar-00 | Feb-01 | 80 | 211 | Yes | | NA |
| 12. Driver's Night Viewer | | | | | | | | | | | |
| FY 99 | | CECOM N1CP | REQ | | Sep-98 | Feb-99 | 120 | 5 | Yes | | NA |
| FY 00 | | CECOM N1CP | REQ | | Feb-00 | Feb-00 | 120 | 6 | Yes | | NA |
| FY 01 | | CECOM N1CP | REQ | | Feb-01 | Feb-01 | 80 | 6 | Yes | | NA |
| 13. Basic Issue Items | | | | | | | | | | | |
| FY 99 | | TACOM-ACALA | WR | | Jun-98 | Feb-99 | 120 | 8 | Yes | | NA |
| FY 00 | | TACOM-ACALA | WR | | Feb-00 | Feb-00 | 120 | 8 | Yes | | NA |
| FY 01 | | TACOM-ACALA | WR | | Feb-01 | Feb-01 | 80 | 8 | Yes | | NA |
| REMARKS: /1. RIA, Rock Island Arsenal, Rock Island, IL produces 50% of gun mounts. The remainder are procured with the GDLS contract. | | | | | | | | | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | | | |
|---|--|-------------------------|--|--------------------------|---------------------|------------|--|----------|-----------------|------------------|-------------------|----------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | Weapon System Type: | | P-1 Line Item Nomenclature: ABRAMS UPGRADE PROGRAM (GA0750) | | | | | |
| WBS Cost Elements: Fiscal Years | | Contractor and Location | | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date |
| 14. MILSTRIPS/RIK | | | | | | | | | | | | |
| FY 99 | | NA | | REQ/WR | | Various | Feb-99 | 120 | 7 | Yes | | NA |
| FY 00 | | NA | | REQ/WR | | Various | Feb-00 | 120 | 7 | Yes | | NA |
| FY 01 | | NA | | REQ/WR | | Various | Feb-01 | 80 | 7 | Yes | | NA |
| 15. VIS/1 | | | | | | | | | | | | |
| FY 99 | | Grumman/2 | | Option | CECOM | Apr-98 | Feb-99 | 120 | 10 | Yes | | Sep 91 |
| FY 00 | | Grumman/2 | | Option | CECOM | Aug-99 | Feb-00 | 120 | 11 | Yes | | Sep 91 |
| FY 01 | | Grumman/2 | | Option | CECOM | Apr-00 | Feb-01 | 80 | 11 | Yes | | Sep 91 |
| 26. II Gen FLIR | | | | | | | | | | | | |
| FY 99 | | Various | | SS/FFP | CECOM | Nov-97 | Feb-99 | 120 | 842 | Yes | | Sep 96 |
| FY 00 | | Various | | Option | CECOM | Dec-98 | Feb-00 | 120 | 739 | Yes | | Sep 96 |
| FY 01 | | Various | | Option | CECOM | Nov-99 | Feb-01 | 80 | 702 | Yes | | Sep 96 |
| 28. GDLS SEP-S/ISA | | | | | | | | | | | | |
| FY 99 | | GDLS/3 | | /4(4) | TACOM-Warren | Feb-99 | Aug-99 | 120 | 200 | N/A | | N/A |
| FY 00 | | GDLS/3 | | /4(5) | TACOM-Warren | Feb-00 | Aug-00 | 120 | 236 | N/A | | N/A |
| FY 01 | | GDLS/3 | | SS/FFP | TACOM-Warren | Feb-01 | Aug-01 | 80 | 275 | N/A | | N/A |
| REMARKS: /1. VIS, Vehicular Intercommunication System /2. Grumman Aerospace Corp, Bethpage, NY /3. General Dynamics Land Systems, Warren, MI /4. SS/FFP/M5 | | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|--|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | ABRAMS UPGRADE PROGRAM (ADV PROC) (GA0750) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | 546.2 | 258.2 | 259.9 | 260.7 | 213.4 | 174.4 | 194.4 | 98.6 | 91.5 | 0.0 | | 2097.4 | |
| Net Proc (P-1) | 546.2 | 258.2 | 259.9 | 260.7 | 213.4 | 174.4 | 194.4 | 98.6 | 91.5 | 0.0 | 0.0 | 2097.4 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 546.2 | 258.2 | 259.9 | 260.7 | 213.4 | 174.4 | 194.4 | 98.6 | 91.5 | 0.0 | 0.0 | 2097.4 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |

DESCRIPTION: Advance procurement for long lead materials to support procurement for the Abrams Upgrade Program.

JUSTIFICATION: Without advance procurement funds, procurement of components, assemblies and raw materials to support procurement, long lead time would not be possible and would cause a break in production.

| Advance Procurement Requirements Analysis-Funding (P-10A) | | | | | | | | | | First System Award Date: | | First System Completion Date: | | Date: | |
|--|--------------|----------------------|--------|-------|-------|-------|-------|-------|-------|---|------|-------------------------------|------------|---------------|--|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | Feb 00 | | Aug 00 | | February 2000 | |
| PROCUREMENT OF WPNS & TRKD COMBT VEHIS/1/TRACKED COMBAT VEHICLES | | | | | | | | | | P-1 Line Item Nomenclature / Weapon System: | | | | | |
| | | | | | | | | | | ABRAMS UPGRADE PROGRAM (ADV PROCG) (GA0750) | | | | | |
| | | | | | | | | | | (\$ in Millions) | | | | | |
| | PLT (mos) | When Rqd (mos) | Pr Yrs | FY97 | FY98 | FY99 | FY00 | FY01 | FY02 | FY03 | FY04 | FY05 | To Comp | Total | |
| End Item Quantity: | * | | | 120 | 120 | 120 | 80 | 80 | 80 | 43 | 24 | | | | |
| 1. Basic Vehicle | 18 | 6 | | 142.3 | 6.4 | 17.5 | 10.8 | 10.5 | 9.3 | 1.8 | 40.6 | | | 239.1 | |
| 1.1 Termination Liability | | | | | 86.8 | 73.3 | 79.2 | 41.3 | 62.3 | 20.1 | 15.9 | | | 378.9 | |
| 2. Armor | 19 | 6 | | 9.8 | 10.0 | 10.2 | 11.3 | 11.5 | 11.7 | 15.0 | | | | 79.6 | |
| 3. H/TEU | 13 | 6 | | 6.7 | | | | | | | | | | 6.7 | |
| 4. Engine Refurb | 20 | 6 | | 4.0 | 16.4 | 16.2 | 9.6 | 9.5 | 9.5 | 5.2 | 2.9 | | | 73.3 | |
| 5. Transmission | 19 | 6 | | 23.4 | 24.1 | 25.0 | 16.9 | 17.1 | 17.5 | 9.6 | 5.5 | | | 139.0 | |
| 6. Final Drives | 16 | 6 | | 1.4 | 1.4 | 1.9 | 1.4 | 1.4 | 1.4 | 0.9 | 0.5 | | | 10.2 | |
| 7. Fire Control | 16 | 6 | | 38.3 | 1.8 | 2.6 | 1.8 | 1.8 | 1.9 | 1.1 | 0.7 | | | 50.0 | |
| 8. Track | 19 | 6 | | 5.7 | 5.1 | 5.3 | -3.6 | 3.7 | 3.7 | 2.0 | 1.2 | | | 30.3 | |
| 9. Roadwheels | 16 | 6 | | 1.4 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 | 0.6 | 0.3 | | | 8.1 | |
| 10. Gun Mounts | 16 | 6 | | 2.6 | 2.5 | 2.5 | 1.8 | 1.8 | 1.9 | 1.2 | 0.6 | | | 14.9 | |
| 11. Gun | 16 | 6 | | 10.6 | 14.1 | 23.9 | 16.9 | 17.2 | 17.5 | 10.6 | 6.1 | | | 116.9 | |
| 12. Driver's Night Viewer | 13 | 6 | | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0.3 | 0.1 | | | 3.8 | |
| 13. Basic Issue Items | 16 | 6 | | 0.8 | 0.9 | 0.9 | 0.7 | 0.7 | 0.7 | 0.4 | 0.2 | | | 5.3 | |
| 14. MILSTRIPS/RIK | 16 | 6 | | 0.5 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.2 | 0.1 | | | 3.5 | |
| 15. VIS | 16 | 6 | | 1.0 | 1.1 | 1.2 | 0.8 | 0.8 | 0.9 | 0.5 | 0.3 | | | 6.8 | |
| 26. II Gen FLIR | 20 | 8 | | 9.0 | 84.3 | 77.5 | 53.5 | 52.3 | 51.6 | 27.6 | 15.5 | | | 371.4 | |
| 29. GDLS SEP-S/ISA | | | | | 2.2 | | 3.3 | 2.9 | 2.8 | 1.5 | 0.8 | | | 13.5 | |
| Total Advance Procurement | | | | 258.2 | 259.9 | 260.7 | 213.4 | 174.4 | 194.4 | 98.6 | 91.5 | | | 1551.2 | |

Description:

* PLT excludes First Article Test (FAT) or other special test requirements for new producers or other factors.
ALT is based on current long term contracts. ALT increase with new starts/new contractors/new contracts.
PLT includes the 6 months requirement for components prior to tank delivery.

Description:

- * PLT excludes First Article Test (FAT) or other special test requirements for new producers or other factors.
- ALT is based on current long term contracts. ALT increase with new starts/new contractors/new contracts.
- PLT includes the 6 months requirement for components prior to tank delivery.

| Advance Procurement Requirements Analysis-Budget Justification (P-10B) | | | | | | | | | |
|--|--------------|-----------------------------|--------------|---|---------------------------|-----------------------|-------|---------------------------|-----------------------|
| Appropriation / Budget Activity/Serial No: | | | | Date: February 2000 | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHs / 1 / Tracked Combat Vehicles | | | | P-1 Line Item Nomenclature / Weapon System: ABRAMS UPGRADE PROGRAM (ADV/PROC) (GA0750) | | | | | |
| (\$ in Millions) | | | | | | | | | |
| | PLT (mos) | Quantity Per Assembly | Unit Cost | 2000 | | | 2001 | | |
| | | | | Qty | Contract Forecast Date | Total Cost Request | Qty | Contract Forecast Date | Total Cost Request |
| End Item | * | | | | | | | | |
| 1. Basic Vehicle | 18 | 1 | 0.1 | 80 | Various | 10.8 | 80 | Various | 10.5 |
| 1.1 Termination Liability | | | | | | 79.2 | | | 41.3 |
| 2. Armor | 19 | 1 | 0.1 | 120 | Jan 00 | 11.3 | 121 | Jan 01 | 11.5 |
| 3. H/TEU | 13 | | | | | | | | |
| 4. Engine Refurb | 20 | 1 | 0.1 | 80 | Feb 00 | 9.6 | 80 | Feb 01 | 9.5 |
| 5. Transmission | 19 | 1 | 0.2 | 80 | Jul 00 | 16.9 | 80 | Jul 01 | 17.1 |
| 6. Final Drives | 16 | 2 | 0.0 | 160 | Mar 00 | 1.4 | 160 | Dec 00 | 1.4 |
| 7. Fire Control | 16 | 1 | 0.0 | 80 | Various | 1.8 | 80 | Various | 1.8 |
| 8. Track | 19 | 156 | 0.0 | 12480 | Mar 00 | 3.6 | 12480 | Mar 01 | 3.7 |
| 9. Roadwheels | 16 | 32 | 0.0 | 2560 | Feb 00 | 1.0 | 2560 | Jan 01 | 1.0 |
| 10. Gun Mounts | 16 | 1 | 0.0 | 40 | Apr 00 | 1.8 | 40 | Apr 01 | 1.8 |
| 11. Gun | 16 | 1 | 0.2 | 80 | Mar 00 | 16.9 | 80 | Mar 01 | 17.2 |
| 12. Driver's Night Viewer | 13 | 1 | 0.0 | 80 | Jul 00 | 0.5 | 80 | Jul 01 | 0.5 |
| 13. Basic Issue Items | 16 | 1 | 0.0 | 80 | Sep 00 | 0.7 | 80 | Sep 01 | 0.7 |
| 14. MILSTRIPS/RIK | 16 | 1 | 0.0 | 80 | Various | 0.4 | 80 | Various | 0.4 |
| 15. VIS | 16 | 1 | 0.0 | 80 | Apr 00 | 0.8 | 80 | Apr 01 | 0.8 |
| 26. II Gen FLIR | 20 | 1 | 0.7 | 80 | Dec 99 | 53.5 | 80 | Nov 00 | 52.3 |
| 29. GDLS SEP-S/ISA | | | | | | 3.3 | | | 2.9 |
| Total Advance Procurement | | | | | | 213.4 | | | 174.4 |

Description:
* PLT excludes First Article Test (FAT) or other special test requirements for new producers or other factors.
ALT is based on current long term contracts. ALT increase with new starts/new contractors/new contracts.
PLT includes the 6 months requirement for components prior to tank delivery.

Description:

- * PLT excludes First Article Test (FAT) or other special test requirements for new producers or other factors.
- ALT is based on current long term contracts. ALT increase with new starts/new contractors/new contracts.
- PLT includes the 6 months requirement for components prior to tank delivery.

| Advance Procurement Requirements Analysis-Present Value Analysis (P-10C) | | | | | | | | | | | Date: February 2000 | |
|--|--------|------|--|------|------|------|------|------|------|------|---------------------|-------|
| Appropriation / Budget Activity/Serial No: | | | P-1 Line Item Nomenclature / Weapon System: ABRAMS UPGRADE PROGRAM (ADV PROG) (GA0750) | | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | (\$ in Millions) | | | | | | | | | |
| | Pr Yrs | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | To Comp | Total |
| | | | | | | | | | | | | |
| Proposal w/o AP | | | | | | | | | | | | |
| Then Year Cost | 1230 | 501 | 570 | 688 | 680 | 552 | 561 | 568 | 380 | 281 | 452 | 6463 |
| Constant Year Cost | 1292 | 513 | 578 | 694 | 676 | 541 | 541 | 537 | 352 | 255 | 377 | 6356 |
| Present Value | 1513 | 565 | 619 | 723 | 685 | 534 | 519 | 501 | 320 | 225 | 298 | 6502 |
| AP Proposal | | | | | | | | | | | | |
| Then Year Cost | 1528 | 462 | 571 | 689 | 633 | 513 | 581 | 472 | 373 | 189 | 452 | 6463 |
| Constant Year Cost | 1628 | 473 | 579 | 695 | 629 | 503 | 560 | 446 | 346 | 172 | 377 | 6408 |
| Present Value | 1948 | 521 | 620 | 724 | 638 | 496 | 537 | 416 | 314 | 152 | 298 | 6664 |
| AP Savings (Difference) | | | | | | | | | | | | |
| Then Year Cost | 298 | -39 | 1 | 1 | -47 | -39 | 20 | -96 | -7 | -92 | | 52 |
| Constant Year Cost | 336 | -40 | 1 | 1 | -47 | -38 | 19 | -91 | -6 | -83 | | 162 |
| Present Value | 435 | -44 | 1 | 1 | -47 | -38 | 18 | -85 | -6 | -73 | | |
| Remarks: | | | | | | | | | | | | |

| Advance Procurement Requirements Analysis-Execution (P-10D) | | | | | | | | | | | | | | |
|--|--------------|-------|------------------------------|----------------------------|---|----------------------------|------------------------------|----------------------------|--------------------------|----------------------------|------------------------------|---------|------------------------------|---------|
| Appropriation / Budget Activity/Serial No: | | | | | Date: February 2000 | | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | P-1 Line Item Nomenclature / Weapon System: ABRAMS UPGRADE PROGRAM (ADV PROC) (GA0750) | | | | | | | | | |
| (\$ in Millions) | | | | | | | | | | | | | | |
| End Item | PLT (mos) | 1998 | | | | 1999 | | | | 2000 | | 2001 | | |
| | | Qty | Contract Forecast Date | Actual Contract Date | Total Cost Request | Actual Contract Cost | Contract Forecast Date | Actual Contract Date | Total Cost Request | Actual Contract Cost | Contract Forecast Date | Qty | Contract Forecast Date | |
| 1. Basic Vehicle | 18 | 120 | Various | | 5.4 | | Various | 19.5 | | Various | 80 | Various | 80 | Various |
| 1.1 Termination Liability | | | | | 86.8 | | | 73.3 | | | | | | |
| 2. Armor | 19 | 120 | Feb 98 | Jan 98 | 10.0 | | Jan 99 | 10.2 | | Jan 00 | 121 | Jan 01 | 121 | Jan 01 |
| 3. H/TEU | 13 | | | | | | | | | | | | | |
| 4. Engine Refurb | 20 | 120 | Jan 98 | Feb 98 | 16.4 | | Jun 99 | 16.2 | | Feb 00 | 80 | Feb 01 | 80 | Feb 01 |
| 5. Transmission | 19 | 120 | Feb 98 | Feb 98 | 24.1 | | Feb 99 | 25.0 | | Jul 00 | 80 | Jul 01 | 80 | Jul 01 |
| 6. Final Drives | 16 | 240 | Jan 98 | Jan 98 | 1.4 | | Dec 98 | 1.9 | | Mar 00 | 160 | Dec 00 | 160 | Dec 00 |
| 7. Fire Control | 16 | 120 | Various | | 1.9 | | Var | 2.6 | | Various | 80 | Various | 80 | Various |
| 8. Track | 19 | 18720 | Apr 98 | May 98 | 5.1 | | Mar 99 | 5.3 | | Mar 00 | 12480 | Mar 01 | 12480 | Mar 01 |
| 9. Roadwheels | 16 | 3840 | Apr 98 | Jan 98 | 1.4 | | Feb 00 | 1.4 | | Feb 00 | 2560 | Jan 01 | 2560 | Jan 01 |
| 10. Gun Mounts | 16 | 60 | Apr 98 | Apr 98 | 2.5 | | Apr 99 | 2.5 | | Apr 00 | 40 | Apr 01 | 40 | Apr 01 |
| 11. Gun | 16 | 120 | Apr 98 | Sep 98 | 14.1 | | Mar 99 | 23.9 | | Mar 00 | 80 | Mar 01 | 80 | Mar 01 |
| 12. Driver's Night Viewer | 13 | 120 | Jul 98 | Oct 98 | 0.7 | | Feb 00 | 0.7 | | Jul 00 | 80 | Jul 01 | 80 | Jul 01 |
| 13. Basic Issue Items | 16 | 120 | Apr 98 | Jun 98 | 0.9 | | Feb 00 | 0.9 | | Sep 00 | 80 | Sep 01 | 80 | Sep 01 |
| 14. MILSTRIPS/RIK | 16 | 120 | Various | | 0.6 | | Various | 0.6 | | Various | 80 | Various | 80 | Various |
| 15. VIS | 16 | 120 | Jun 98 | Apr 98 | 1.2 | | Aug 99 | 1.3 | | Apr 00 | 80 | Apr 01 | 80 | Apr 01 |
| 26. II Gen FLIR | 20 | 120 | Various | Sep 98 | 84.3 | | Nov 99 | 77.5 | | Dec 99 | 80 | Dec 00 | 80 | Dec 00 |
| 29. GDLS SEP-S/ISA | | | | | 0.3 | | | | | | | | | |
| Total Advance Procurement | | | | | 257.1 | 78.0 | | 262.9 | 159.0 | | | | | |
| Description: * PLT excludes First Article Test (FAT) or other special test requirements for new producers or other factors. ALT is based on current long term contracts. ALT increase with new starts/new contractors/new contracts. PLT includes the 6 months requirement for components prior to tank delivery. | | | | | | | | | | | | | | |

Description:

* PLT excludes First Article Test (FAT) or other special test requirements for new producers or other factors.
 ALT is based on current long term contracts. ALT increase with new starts/new contractors/new contracts.
 PLT includes the 6 months requirement for components prior to tank delivery.

| Advance Procurement Requirements Analysis-Obligations/Expenditures (P-10E) | | | | | | | | | | | | | | | |
|--|---------------------|-------|-----|-----|-----|-----|-------|-----|-----|---|-----|---------------------------|----------------------------|-----|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | Date: February 2000 | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | P-1 Line Item Nomenclature / Weapon System: ABRAMS UPGRADE PROGRAM (ADV PROC) (GA0750) | | | | | |
| (\$ in Millions) | | | | | | | | | | | | | | | |
| | Starting Balance | FY 98 | | | | | FY 99 | | | | | Total Obl/Exp (Cum) | Ending Balance (Cum) | | |
| | | 1997 | | | | | 1998 | | | | | | | | |
| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | | | Aug | Sep |
| FY 99 Termination Liability Sche Total Expenditures | 73.3 260.7 | | | | | | | | | | | | | | 73.3 260.7 |
| FY 00 Termination Liability Sche | 79.2 | | | | | | | | | | | | | | 79.2 |
| FY 01 Termination Liability Sche | 41.3 | | | | | | | | | | | | | | 41.3 |
| Narrative: The requirements for all elements of cost are based on prior history and lead times. The procurement for the DECUs, Transmissions, Final Drives, Fire Control, Track, Roadwheels, VIS, II GEN FLIR are Firm Fixed Price Contracts and have no termination liability profile within the contract. The funding is required to purchase hardware in time to reduce the overall procurement leadtime of the M1A2 Abrams major end item. | | | | | | | | | | | | | | | |

| Advance Procurement Requirements Analysis-Obligations/Expenditures (P-10E) | | | | | | | | | | | | | February 2000 | | |
|--|---------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---------------------------|----------------------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | | Date: | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | | P-1 Line Item Nomenclature / Weapon System: ABRAMS UPGRADE PROGRAM (ADV PROC) (GA0750) | | |
| (\$ in Millions) | | | | | | | | | | | | | | | |
| | Starting Balance | FY 99 | | | | | | | | | | | | Total Obl/Exp (Cum) | Ending Balance (Cum) |
| | | 1998 | | | | | | | | | | | | | |
| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | | |
| FY 99 Termination Liability Sche Total Expenditures | 73.3 260.7 | | | .2 | .2 | .3 | .3 | 2.3 | 4.1 | 7.3 | 8.2 | 9.3 | 9.0 | 41.2 32.1 | 231.5 |
| FY 00 Termination Liability Sche | 79.2 | | | | | | | | | | | | | 29.2 79.2 | |
| FY 01 Termination Liability Sche | 41.3 | | | | | | | | | | | | | 41.3 | |
| Narrative: | | | | | | | | | | | | | | | |

| Advance Procurement Requirements Analysis-Obligations/Expenditures (P-10E) | | | | | | | | | | | | | | | |
|--|---------------------|-------|------|------|------|-----|-----|-----|-----|---|-----|---------------------------|----------------------------|------|-------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | Date: February 2000 | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | P-1 Line Item Nomenclature / Weapon System: ABRAMS UPGRADE PROGRAM (ADV PROC) (GA0750) | | | | | |
| (\$ in Millions) | | | | | | | | | | | | | | | |
| | Starting Balance | FY 00 | | | | | | | | | | Total Obl/Exp (Cum) | Ending Balance (Cum) | | |
| | | 1999 | | | 2000 | | | | | | | | | | |
| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | | | Aug | Sep |
| FY 99 | | | | | | | | | | | | | | | |
| Termination Liability Sche | 32.1 | 10.6 | 9.6 | 11.9 | | | | | | | | | | 32.1 | |
| Total Expenditures | 231.5 | 10.0 | 16.1 | 9.9 | | | | | | | | | | 36.0 | 195.5 |
| FY 00 | | | | | | | | | | | | | | | |
| Termination Liability Sche | 79.2 | | | | | | | 3.6 | 4.4 | 7.8 | 8.9 | 10.1 | 9.7 | 44.5 | 34.7 |
| FY 01 | | | | | | | | | | | | | | | |
| Termination Liability Sche | 41.3 | | | | | | | | | | | | | | 41.3 |
| Narrative: | | | | | | | | | | | | | | | |

| Advance Procurement Requirements Analysis-Obligations/Expenditures (P-10E) | | | | | | | | | | | | | Date: February 2000 | | |
|---|------------------|-------|------|------|------|-----|-----|-----|-----|-----|-----|-----|--|---------------------|----------------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | | P-1 Line Item Nomenclature / Weapon System: ABRAMS UPGRADE PROGRAM (ADV PROC) (GA0750) | | |
| (\$ in Millions) | | | | | | | | | | | | | | | |
| | Starting Balance | FY 01 | | | | | | | | | | | | Total Obl/Exp (Cum) | Ending Balance (Cum) |
| | | 2000 | | | 2001 | | | | | | | | | | |
| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | | |
| FY 99 Termination Liability Sche Total Expenditures | 195.5 | | | | | | | | | | | | | | 195.5 |
| FY 00 Termination Liability Sche | 34.7 | 11.5 | 10.4 | 12.8 | | | | | | | | | | | 34.7 |
| FY 01 Termination Liability Sche | 41.3 | | | | | | | 3.0 | 3.7 | 6.7 | 7.6 | 8.6 | 8.3 | | 37.9 |
| | | | | | | | | | | | | | | | 3.4 |
| Narrative: | | | | | | | | | | | | | | | |

| Advance Procurement Requirements Analysis-Obligations/Expenditures (P-10E) | | | | | | | | | | | | | Date: | |
|--|------------------|------|-----|-----|-------|-----|-----|-----|-----|-----|-----|---------------------|----------------------|-------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | | February 2000 | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | | | |
| P-1 Line Item Nomenclature / Weapon System: | | | | | | | | | | | | | | |
| ABRAMS UPGRADE PROGRAM (ADV PROC) (GA0750) | | | | | | | | | | | | | | |
| (\$ in Millions) | | | | | | | | | | | | | | |
| | Starting Balance | 2001 | | | FY 02 | | | | | | | Total Obl/Exp (Cum) | Ending Balance (Cum) | |
| | | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | | | Aug |
| FY 99 Termination Liability Sche Total Expenditures | 195.5 | | | | | | | | | | | | | 195.5 |
| FY 00 Termination Liability Sche | .0 | | | | | | | | | | | | | .0 |
| FY 01 Termination Liability Sche | 3.4 | 2.3 | 1.1 | | | | | | | | | | 3.4 | |
| Narrative: | | | | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | Date: | February 2000 | |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|--|---------------|------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | P-1 Item Nomenclature: | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | MODIFICATIONS LESS THAN \$5.0M (TCV-WTCV) (GA0925) | | |
| Program Elements for Code B Items: | | | | | | | | | | Other Related Program Elements: | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | | | | | | | | | | | | |
| Gross Cost | 10.6 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 10.6 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 10.6 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.7 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |

DESCRIPTION: This funding provides for the procurement of hardware kits, their application, and fielding support costs of \$2.0M or less for Tracked Combat Vehicles.

JUSTIFICATION:
 BATTLEFIELD COMBAT IDENTIFICATION SYSTEM: The Battlefield Combat Identification System (BCIS) is a millimeter wave Question and Answer system that will provide positive identification of friendly ground vehicles to minimize battlefield fratricide and enhance combat effectiveness. The BCIS is a designated Army Horizontal Technology Integration (HTI) initiative. Starting in FY00 BCIS are required for the M88A1 Recovery Vehicle through PM Combat ID.

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | Date: | February 2000 |
|---|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | ITEMS LESS THAN \$5.0M (TCV-WTCV) (GL3100) | |
| Program Elements for Code B Items: | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | | | | | | | | | | | | |
| Gross Cost | 17.5 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.0 | 18.5 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 17.5 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.0 | 18.5 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 17.5 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.0 | 18.5 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |
| <p>DESCRIPTION: Provides for procurement/assembly of full tracked vehicle organizational maintenance tool/shop sets. This equipment has multi-applications and is essential for effective maintenance on all tracked vehicles.</p> <p>JUSTIFICATION: Required to provide organizational maintenance personnel with equipment essential to maintain full tracked vehicles in an acceptable state of readiness. Funding of this program will establish and maintain the operational capability of the Bradley Fighting Vehicle, M1 Tank, etc.</p> | | | | | | | | | | | | |

| Exhibit P-5, Weapon WTCV Cost Analysis | | | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (TCV-WTCV) (GL3100) | | | | Weapon System Type: | | Date: February 2000 | | |
|---|--|-----------|------|--|-----------|-------|----------|--|------|----------|-----------|---------------------|----------|------------------------|------|----------|
| Cost Elements | | FY 98 | | FY 99 | | FY 00 | | FY 01 | | FY 01 | | FY 01 | | FY 01 | | |
| | | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost |
| | | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 |
| 1. Shop Set, Contact and Emergency Repair G352 4940-00-754-0737 | | | | | 28 | 2 | 14 | | | | | | | | | |
| | | | | | 61 | 8 | 8 | 137 | 10 | 14 | 135 | 9 | 15 | | | |
| 2. Tool Set, Full Tracked Vehicle, Org Maint, G649 Suppl 2 | | | | | | | | | | | | | | | | |
| Total | | | | | 89 | | | 137 | | | | | 135 | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 | | |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------------------|---------------|---|--|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | | PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050) | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | | | | | | | | | | Other Related Program Elements: | | | |
| Program Elements for Code B Items: | | | | | | | | | | | | Code: | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | | | |
| Proc Qty | | | | | | | | | | | | | | | |
| Gross Cost | 1449.7 | 9.0 | 8.3 | 9.7 | 8.8 | 9.3 | 10.0 | 9.9 | 10.4 | 10.6 | 0.0 | 1535.8 | | | |
| Less PY Adv Proc | | | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | | | |
| Net Proc (P-1) | 1449.7 | 9.0 | 8.3 | 9.7 | 8.8 | 9.3 | 10.0 | 9.9 | 10.4 | 10.6 | 0.0 | 1535.8 | | | |
| Initial Spares | | | | | | | | | | | | | | | |
| Total Proc Cost | 1449.7 | 9.0 | 8.3 | 9.7 | 8.8 | 9.3 | 10.0 | 9.9 | 10.4 | 10.6 | 0.0 | 1535.8 | | | |
| Flyaway U/C | | | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | | | |

DESCRIPTION: This program provides for Provision of Industrial Facilities (PIF). Funds are used to establish, modernize, expand or replace facilities owned by the Army. It provides Production Support Equipment Replacement (PSR) and Modernization (MOD) to Government owned equipment, real property used in production and production testing of Weapons and Tracked Combat Vehicles. This program also provides funding for the Layaway of Industrial Facilities (LIF) for preservation of equipment for the portions of plants which are no longer required for active production.

JUSTIFICATION: The FY01 request supports PSR to Government owned equipment at Lima Army Tank Plant (LATP) and replace and rehabilitate unscheduled/unplanned emergency repairs of Government owned production machinery, equipment and facility items currently in use at the contractor plant in Muskegon, MI. and Scranton, Pa. Included are rehab of a Vertical/Horizontal Mill Machines, purchase Heat Recovery Units, Coal Conveyor Belt at LATP and rebrick Salt Bath located at Scranton. Also, funding will be used for packing, crating, handling & transportation of Government owned Equipment retained for future production.

| Exhibit P-5, Weapon WTCV Cost Analysis | | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 1 / Tracked Combat Vehicles | | | P-1 Line Item Nomenclature: PRODUCTION BASE SUPPORT (TCV-WTCV) (GA0050) | | | Weapon System Type: | | Date: February 2000 | |
|---|--|--|--|-------------|-------------------|---|-------------|-------------------|---------------------|-------------|------------------------|--------------------|
| Cost Elements | | | FY 98 | | FY 99 | | FY 00 | | FY 01 | | | |
| | | | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 |
| 49X4281 LIF, Layaway/Redistribution Various Government & Contractor Facilities Provides for plant clearance and restoration of those areas no longer required for active production. Packing, crating, handling & transportation GFE retained for future prod. Provides non-routine maintenance of real property facilities, I.P.E. purchase & rehab. of production equipment. Machinery consist of Welding, Milling and Shot Blast Machines. Project also provides for Plant Utilities. Provides replacement/rehab of government owned equipment at contractor plants. Also, project covers Unplanned Repairs of equipment and Unplanned Regulatory Requirements. Work is to be performed at Lima Army Tank Plant, Scranton and Muskegon facilities | | | | | | 338 | | | 351 | | 344 | |
| | | | | | | 9332 | | | 8501 | | | 8906 |
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| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | Date: | February 2000 | |
|--|-------------|---------|--|---------|---------|---------|---------|---------|---------|---------|---------------|------------|
| Appropriation / Budget Activity/Serial No: | | | P-1 Item Nomenclature: | | | | | | | | | |
| PROCUREMENT OF WPNS & TRKO CMBT VEHs / 2 / Weapons and Other Combat Vehicles | | | ARMOR MACHINE GUN, 7.62MM M240 SERIES (G13000) | | | | | | | | | |
| Program Elements for Code B Items: | | | Other Related Program Elements: | | | | | | | | | |
| | | | Code: | A | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | 49876 | 2034 | 1500 | 1198 | 4297 | 1196 | 752 | 818 | 1072 | 728 | | 63471 |
| Gross Cost | 183.3 | 18.4 | 14.4 | 11.4 | 38.4 | 12.4 | 8.1 | 8.4 | 11.1 | 11.1 | 0.0 | 317.1 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 183.3 | 18.4 | 14.4 | 11.4 | 38.4 | 12.4 | 8.1 | 8.4 | 11.1 | 11.1 | 0.0 | 317.1 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 183.3 | 18.4 | 14.4 | 11.4 | 38.4 | 12.4 | 8.1 | 8.4 | 11.1 | 11.1 | 0.0 | 317.1 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |
| <p>DESCRIPTION: The M240B Machine Gun is a ground version of the M240 Machine Gun, the 7.62mm Medium Machine Gun class weapon designed as a coaxial/pintle-mounted weapon for tanks and light armored vehicles. The M240B is an air cooled, link-belt fed, gas operated weapon. The weapon features fixed head space, which permits rapid changing of the barrels. The principle difference between the M240 and the M240B is the addition of a flash suppressor, front sight, carrying handle for the barrel, buttstock, pistol grip, bipod, heat shield and rear sight assembly. The M240B Machine Gun may also be tripod-mounted and used in conjunction with a traversing and elevating mechanism and a flex mount pintle. The FY97 thru FY05 buys the M240B configuration in the Armor Machine Gun Series.</p> <p>JUSTIFICATION: The M240B Medium Machine Gun is an infantry version of the M240 Armored Machine Gun intended to replace the M60 Series Machine Gun in light infantry, mechanized infantry, and combat engineer units. The US Army has identified a need to upgrade its current inventory of 7.62mm Medium Machine Guns in order to provide the dismounted infantryman a more reliable, accurate, and lethal medium machine gun to suppress and destroy enemy personnel, lightly armored vehicles, and fortified positions.</p> | | | | | | | | | | | | |

| Exhibit P-5, Weapon WTCV Cost Analysis | | | Appropriation Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat | | | P-1 Line Item Nomenclature: ARMOR MACHINE GUN, 7.62MM M240 SERIES (G13000) | | | Weapon System Type: | | | Date: February 2000 | | |
|---|----|---|--|-------------|-------------------|--|-------------|-------------------|------------------------|---------------------|-------------------|------------------------|-------------|-------------------|
| ID | CD | Cost Elements | FY 98 | | | FY 99 | | | FY 00 | | | FY 01 | | |
| | | | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 |
| | | 1. Hardware (Incls Flex Mount & Blank Firing Device) | | | | 5160 4572 | 673 525 | 8 9 | 3614 20327 12122 | 438 2678 1181 | 8 8 10 | 10587 | 1196 | 9 |
| | | 2. Engineering Support - In House Support | | | | 987 | | | 1004 | | | 786 | | |
| | | 3. Quality Assurance (ARDEC) | | | | | | | 96 | | | 122 | | |
| | | 4. Integrated Logistics Support | | | | 79 | | | 91 | | | 93 | | |
| | | 5. Engineering Change Proposals | | | | 161 | | | 545 | | | 204 | | |
| | | 6. Testing | | | | | | | | | | 300 | | |
| | | 7. Fielding | | | | 440 | | | 565 | | | 357 | | |
| | | TOTAL | | | | 11399 | | | 38364 | | | 12449 | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: | February 2000 |
|--|-----------------------------|--------------------------|---------------------|------------|---|----------|-----------------|------------------|------------------|----------------|---------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | Weapon System Type: | | | P-1 Line Item Nomenclature: ARMOR MACHINE GUN, 7.62MM M240 SERIES (G13000) | | | | | | |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revis Avail | RFP Issue Date | |
| Hardware (Inds Flex Mount & Blank Firing Device) | | | | | | | | | | | |
| FY 99 | FN Manuf Inc., Columbia, SC | Option | TACOM - Rock Island | Dec-98 | Dec-98 | 673 | 8 | Yes | No | | |
| | FN Manuf Inc., Columbia, SC | SS/FFP M-3(3) | TACOM - Rock Island | Jul-99 | Aug-00 | 525 | 9 | Yes | No | | |
| FY00 | FN Manuf Inc., Columbia, SC | SS/FFP M-3(3) | TACOM - Rock Island | Dec-99 | Nov-00 | 438 | 8 | Yes | No | | |
| | FN Manuf Inc., Columbia, SC | Option | TACOM - Rock Island | Dec-99 | Feb-01 | 2678 | 8 | Yes | No | | |
| | TBS | C/FFP | TACOM-Rock Island | Sep-00 | May-02 | 1181 | 10 | Yes | No | | |
| FY01 | TBS | Option | TACOM-Rock Island | Dec-00 | May-03 | 1196 | 9 | Yes | No | | |
| REMARKS: The M240 contract was established as a 3-year multiyear contract (FY97,99,00). | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|------------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKO CMBT VEHs / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | | MACHINE GUN, 5.56MM (SAW) (G12900) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | 66137 | 3802 | 406 | 1525 | 3698 | | | | | | 4280 | 79848 | |
| Gross Cost | 165.8 | 12.0 | 3.4 | 5.7 | 9.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.1 | 214.8 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 165.8 | 12.0 | 3.4 | 5.7 | 9.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.1 | 214.8 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 165.8 | 12.0 | 3.4 | 5.7 | 9.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 18.1 | 214.8 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Won Sys Proc U/C | | | | | | | | | | | | | |

DESCRIPTION: The Squad Automatic Weapon (SAW) is a lightweight (22 pounds with 200 rounds of ammunition), 5.56mm, one-man operated weapon capable of delivering a sustained volume of automatic, accurate, and lethal fire at ranges of up to 800 meters. The Army configuration was changed Oct 89 to include a spare barrel, additional heat shield and barrel bag.

JUSTIFICATION: The sustained fire capability and increased range are urgently needed throughout infantry rifle squads in order to enhance their survivability. This lightweight, highly mobile machine gun will be used by infantry, light infantry, airborne infantry, mechanized infantry and elements of the air cavalry units, as well as non-infantry units. This procurement profile will equip selected elements of the above mentioned units on a priority basis.

| Exhibit P-5, Weapon WTCV Cost Analysis | | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat | | | P-1 Line Item Nomenclature: MACHINE GUN, 5.56MM (SAW) (G12900) | | | Weapon System Type: | | Date: February 2000 | | |
|---|---|--|---|------|----------|---|------|----------|---------------------|------|------------------------|-----------|-------|
| Cost Elements | | | FY 98 | | | FY 99 | | | FY 00 | | | FY 01 | |
| | | | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty |
| | | | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 | Each | \$000 |
| 1. Hardware | A | | | | | 4444 | 1525 | 3 | 8596 | 3698 | 2 | | |
| 2. GFM | | | | | | | | | | | | | |
| 3. Engineering Support (In-House) | | | | | | 64 | | | 185 | | | | |
| 4. Quality Assurance (ARDEC) | | | | | | 35 | | | 60 | | | | |
| 5. Testing (TECOM) | | | | | | 60 | | | 100 | | | | |
| 6. Engineering Change Proposals (ECP's) | | | | | | 24 | | | 116 | | | | |
| 7. ILS | | | | | | 40 | | | 75 | | | | |
| 8. Fielding | | | | | | 763 | | | 771 | | | | |
| 9. Engineering Study | | | | | | 235 | | | | | | | |
| TOTAL | | | | | | 5665 | | | 9903 | | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: February 2000 |
|--|-------------------------------|--------------------------|--------------------|---|------------------------|----------|-----------------|------------------|-------------------|---------------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKO CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | Weapon System Type: | | P-1 Line Item Nomenclature: MACHINE GUN, 5.56MM (SAW) (G12900) | | | | | | |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date |
| Hardware FY99 | FN Mfg Co., Inc., Columbia SC | SS/FFP OPTION | TACOM- Rock Island | Nov-98 | Aug-99 | 1525 | 3 | Yes | No | |
| FY00 | FN Mfg Co., Inc., Columbia SC | SS/FFP OPTION | TACOM-Rock Islan | Jan-00 | Mar-00 | 3198 | 2 | Yes | No | |
| FY00 | TBS | TBS | TACOM-Rock Island | Apr-00 | Mar-01 | 500 | 2 | Yes | No | |
| REMARKS: | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKO CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | | GRENADE LAUNCHER, AUTO, 40MM, MK19-3 (G13400) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | 13403 | 2150 | 400 | 697 | 1389 | 581 | 772 | 195 | | | | 19587 | |
| Gross Cost | 214.2 | 33.0 | 7.7 | 15.1 | 22.9 | 11.8 | 15.2 | 13.7 | 0.0 | 0.0 | 0.0 | 333.5 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 214.2 | 33.0 | 7.7 | 15.1 | 22.9 | 11.8 | 15.2 | 13.7 | 0.0 | 0.0 | 0.0 | 333.5 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 214.2 | 33.0 | 7.7 | 15.1 | 22.9 | 11.8 | 15.2 | 13.7 | 0.0 | 0.0 | 0.0 | 333.5 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |

DESCRIPTION: The MK19, Mod 3 is a self-powered, air-cooled, blowback, 40mm automatic grenade launcher capable of a cyclic rate of 325-375 rounds per minute. It will engage point targets up to 1,500 meters and provide suppressive fire up to 2,200 meters. Component items for this system include the 40mm assembly group 1 and the MK64 mount.

JUSTIFICATION: The weapon will be mounted on the High Mobility Multi-Purpose Wheeled Vehicle (HMMWV), the Armored Personnel Carrier family of vehicles and the M88A1 Recovery Vehicle. During static defensive operations, it will be ground employed utilizing the M3 Tripod Mount. It will replace select M2 cal .50 and M60 7.62mm machine guns in mechanized, light infantry, engineer, military police, and other combat support and combat service support units. Procurement will help reduce critical supply position for high-priority equipment readiness code (ERC) A shortages in Europe, Korea, and CONUS requirements. The Universal Pintle Adaptor is being incorporated on the MK64 Mount to improve the accuracy and dispersion of the MK19-3 when used on the HMMWV application.

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat | | P-1 Line Item Nomenclature: GRENADE LAUNCHER, AUTO, 40MM, MK19- 3 (G13400) | | Weapon System Type: | | Date: February 2000 | |
|---|----|--|-------------|--|--------------------|---------------------|-------------------|------------------------|-------------|
| ID | CD | FY 98 | | FY 99 | | FY 00 | | FY 01 | |
| | | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each |
| 1. Hardware MK64 ERC A Mounts | A | | | | 10838 1073 | 697 853 | 16 1 | 21075 | 1389 |
| 2. Round Removal Tool (GFM) | | | | | | | | 174 | |
| 3. Engineering Support (In-House) | | | | | 976 | | | 888 | |
| 4. Quality Assurance (ARDEC) | | | | | | | | 60 | |
| 5. Integrated Logistics Support (ILS) | | | | | 155 | | | 194 | |
| 6. Engineering Change Proposals (ECP's) | | | | | 1495 | | | 31 | |
| 7. Engineering Studies | | | | | | | | | |
| 8. Testing (TECOM) | | | | | 325 | | | 300 | |
| 9. Fielding | | | | | 202 | | | 161 | |
| | | | | | | | | 9756 | 581 |
| | | | | | | | | 66 | |
| | | | | | | | | 1303 | |
| | | | | | | | | 83 | |
| | | | | | | | | 186 | |
| | | | | | | | | 86 | |
| | | | | | | | | 194 | |
| | | | | | | | | 161 | |
| | | | | | | | | | 17 |
| TOTAL | | | | | 15064 | | | 22883 | 11835 |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: February 2000 |
|--|---------------------------|----------------------------|---------------------|--|------------------------|------------|-----------------|------------------|-------------------|---------------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | Weapon System Type: | | P-1 Line Item Nomenclature: GRENADE LAUNCHER, AUTO, 40MM, MK19-3 (G13400) | | | | | | |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date |
| Hardware FY99 | SACO Defense, Saco, Maine | SS/FFP M-3(2) M-3(3) | TACOM - Rock Island | Dec-98 Dec-98 | Jul-00 Aug-00 | 138 559 | 16 16 | Yes Yes | No No | |
| FY00 | SACO Defense, Saco, Maine | SS/FFP M-3(3) | TACOM - Rock Island | Dec-99 | Feb-01 | 489 | 15 | Yes | No | |
| | SACO Defense, Saco, Maine | Option | TACOM - Rock Island | Dec-99 | Jul-01 | 900 | 15 | Yes | No | |
| FY01 | SACO Defence, Saco, Maine | SS/FFP W/Option | TACOM - Rock Island | Mar-01 | Apr-02 | 581 | 17 | Yes | No | |
| REMARKS: | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 | | |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|------------------------|---------------|--------------------|--|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | | M16 RIFLE (G14900) | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHs / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | | | | | |
| Program Elements for Code B Items: | | | | | | | | | | | | Code: | | A | |
| Other Related Program Elements: | | | | | | | | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | | | |
| Proc Qty | 542667 | 15583 | 11297 | 16464 | 12479 | 10314 | 3416 | 6557 | 20475 | 19571 | 20592 | 679415 | | | |
| Gross Cost | 247.7 | 6.4 | 4.4 | 6.8 | 5.7 | 4.8 | 2.0 | 3.1 | 9.4 | 9.2 | 9.9 | 309.4 | | | |
| Less PY Adv Proc | | | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | | | |
| Net Proc (P-1) | 247.7 | 6.4 | 4.4 | 6.8 | 5.7 | 4.8 | 2.0 | 3.1 | 9.4 | 9.2 | 9.9 | 309.4 | | | |
| Initial Spares | | | | | | | | | | | | | | | |
| Total Proc Cost | 247.7 | 6.4 | 4.4 | 6.8 | 5.7 | 4.8 | 2.0 | 3.1 | 9.4 | 9.2 | 9.9 | 309.4 | | | |
| Flyaway U/C | | | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | | | |

DESCRIPTION: The M16A4 Rifle is a 5.56mm gas operated, magazine fed weapon capable of firing either semiautomatic or three-round burst. It is identical to the currently fielded M16A2 Rifle, with the exception that the upper receiver contains an integral mounting rail with a detachable carrying handle/rear sight. The M16A4 in combination with the M5 adapter rail forms the Modular Weapon System (MWS) which provides soldiers the flexibility to configure their weapons with those accessories required to fulfill an assigned mission.

JUSTIFICATION: The M16A4 Rifle was developed as part of the Modular Weapon System (MWS) Program. The U.S. Army identified a need to improve the versatility of the M4 Carbine and the M16A2 Rifle. This was to be accomplished by providing multiple mounting surfaces on the M4 and M16A2 to allow a combination of various accessories to be simultaneously mounted on the weapons. The M4 Carbine already contained an integral rail on the upper receiver. The M16A4 provides the same capability on the rifle. Future production of the rifle will be in the M16A4 configuration. Funding in FY01 is to provide continuous production and to support the current MWS fielding schedule. A total of 116,848 M16A1's have been converted to M16A2's lowering the "to complete" quantity to 20,592.

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat | | | | P-1 Line Item Nomenclature: M16 RIFLE (G14900) | | | | Weapon System Type: | | Date: February 2000 | |
|---|----|---|------|--------------------|---------------|---|-------|-----------|-------|---------------------|----------|------------------------|----------|
| ID | CD | FY 98 | | FY 99 | | FY 00 | | FY 01 | | TotalCost | UnitCost | Qty | UnitCost |
| | | TotalCost | Qty | TotalCost | Qty | TotalCost | Qty | TotalCost | Qty | | | | |
| Cost Elements | | \$000 | Each | \$000 | Each | \$000 | Each | \$000 | Each | \$000 | \$000 | Each | \$000 |
| 1. Rifle (Includes Slings & Magazine) 2. Engineering Support (In-House) 3. Engineering Change Proposals (ECP's) 4. Quality Assurance (ARDEC) 5. Integrated Logistics Support (ILS) 6. Fielding | A | | | 5852 571 133 | 15121 1343 | 0.387 0.425 | 12479 | 5094 | 12479 | 4210 | 0.408 | 10314 | 0.408 |
| | | | | | | | | 247 | | 180 | | | |
| | | | | | | | | 112 | | 62 | | | |
| | | | | | | | | 30 | | 75 | | | |
| | | | | | | | | 46 | | 70 | | | |
| | | | | | 215 | | | 190 | | 196 | | | |
| TOTAL | | | | 6771 | | | | 5719 | | 4793 | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: February 2000 |
|--|--|--------------------------|--|--|------------------------|---------------|-----------------|------------------|------------------|---------------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKO CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | Weapon System Type: | | P-1 Line Item Nomenclature: M16 RIFLE (G14900) | | | | | | |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revis Avail | RFP Issue Date |
| 1. Rifle (Includes Slings and Magazines) | | | | | | | | | | |
| FY99 | Colt's Mfg Co., Inc. Hartford, CT TBS | Option C/FFP | TACOM - Rock Island TACOM - Rock Island | Jan-99 Apr-00 | Mar-00 Feb-02 | 15121 1343 | 0.387 0.425 | Yes Yes | No No | |
| FY00 | TBS | C/FFP | TACOM - Rock Island | Apr-00 | Apr-02 | 12479 | 0.408 | Yes | No | |
| FY01 | TBS | Option | TACOM - Rock Island | Jan-01 | Apr-03 | 10314 | 0.408 | Yes | No | |
| REMARKS: | | | | | | | | | | |

| FY 00 / 01 BUDGET PRODUCTION SCHEDULE | | | | | | | | | | M16 RIFLE (G14900) | | | | | | | | | | February 2000 | | | | | | | | | | Date: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| P-1 Item Nomenclature: | | | | | | | | | | M16 RIFLE (G14900) | | | | | | | | | | Fiscal Year 99 | | | | | | | | | | Fiscal Year 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COST ELEMENTS | | | | | | | | | | Calendar Year 99 | | | | | | | | | | Calendar Year 00 | | | | | | | | | | Calendar Year 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | F | R | FY | S | PROC | QTY | ACCEP. | BAL | O | N | D | J | A | E | F | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A | P | R | Y | A | J | J | A | M | A |

| FY 00 / 01 BUDGET PRODUCTION SCHEDULE | | | | | | | | | | M16 RIFLE (G14900) | | | | | | | | | | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| P-1 Item Nomenclature: | | | | | | | | | | Date: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COST ELEMENTS | | | | | | | | | | Fiscal Year 01 | | | | | | | | | | Fiscal Year 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | Calendar Year 01 | | | | | Calendar Year 02 | | | | | Calendar Year 01 | | | | | Calendar Year 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | O | C | T | D | E | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J | A | M | F | A | E | N | J |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHs / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | XM107, CAL. 50 SNIPER RIFLE (G01500) | |
| Program Elements for Code B Items: | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | | | | | | 230 | 162 | | | | | 392 |
| Gross Cost | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 3.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 3.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 3.1 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |

DESCRIPTION: The XM107 is a caliber .50, sniper rifle. The primary mission of this rifle is to engage and defeat materiel targets out to ranges of 1,700 and 2,000 meters. The secondary role is anti-personnel and Explosive Ordnance Disposal (EOD) at shorter ranges.

JUSTIFICATION: Current Army Sniper system, M24, 7.62mm, has limited range and low deposition of energy on target. The M24 is not effective against materiel targets past 800 meters. The current M24 is not effective in Explosive Ordnance Disposal. The FY 01 procurement will enable the soldier to engage and defeat materiel targets out to ranges of 1,700 and 2,000 meters.

| Exhibit P-5, Weapon WTCV Cost Analysis | | | Appropriation Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat | | | P-1 Line Item Nomenclature: XM107, CAL. 50 SNIPER RIFLE (G01500) | | | Weapon System Type: | | | Date: February 2000 | | |
|--|----|----|--|-------------|-------------------|---|-------------|-------------------|---------------------|-------------|-------------------|------------------------|-------------|-------------------|
| Cost Elements | ID | CD | FY 98 | | | FY 99 | | | FY 00 | | | FY 01 | | |
| | | | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 |
| 1. Hardware Weapons Laser Protector & Anti-reflection Device | B | | | | | | | | | | | 1946 | 230 | |
| 2. ESIP/QA | | | | | | | 77 | | | | | 104 | 230 | |
| 3. Testing | | | | | | | 33 | | | | | 425 | | |
| 4. Integrated Logistical Support | | | | | | | 35 | | | | | 350 | | |
| 5. Fielding | | | | | | | | | | | | 70 | | |
| 6. ECPs | | | | | | | | | | | | 50 | | |
| 7. Reprogrammed | | | | | | | | | | 988 | | 140 | | |
| TOTAL | | | | | | | | | | | | | 3085 | |
| | | | | | | | 1133 | | | | | | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: |
|--|---|--------------------------|-----------------|------------------|------------------------|------------|-----------------|------------------|-------------------|------------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | Date: |
| Weapon System Type: | | | | | | | | | | Date: |
| P-1 Line Item Nomenclature: XM107, CAL 50 SNIPER RIFLE (G01500) | | | | | | | | | | Date: |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date |
| Hardware | | | | | | | | | | |
| FY01 | | | | | | | | | | |
| Weapon Laser Protector & Anti-Reflection Device | Barrett Firearms Mfg., Christian, TN TBS | C/FFP C/FFP | ARDEC ARDEC | Jan-01 Jun-01 | Jul-01 Jul-01 | 230 230 | 8 | | | Sep 97 Jul 00 |
| REMARKS: Solicitation issued in Sep 97 included production options for FY01 and FY02. | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | Date: | February 2000 | |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------------------------------|---------------|------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | P-1 Item Nomenclature: | | |
| PROCUREMENT OF WPNS & TRKO CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | 5.56 CARBINE M4 (G14904) | | |
| Program Elements for Code B Items: | | | | | | | | | | Other Related Program Elements: | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | 68698 | 10603 | 7484 | 6310 | 8687 | 8309 | | | | | 30218 | 140309 |
| Gross Cost | 38.0 | 6.5 | 4.2 | 4.2 | 5.3 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 21.2 | 84.5 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 38.0 | 6.5 | 4.2 | 4.2 | 5.3 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 21.2 | 84.5 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 38.0 | 6.5 | 4.2 | 4.2 | 5.3 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 21.2 | 84.5 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |
| <p>DESCRIPTION: The M4 Carbine is a 5.56mm gas-operated, air-cooled, magazine-fed, selective-rate, shoulder-fired weapon. It is fed by a 30-round magazine and will replace all M3A1 WWII era .45 cal Submachine guns, and selective M16 series rifles and M9 pistols. It provides the individual soldier operating in close quarters the capability to engage targets at extended ranges with accurate lethal fire. Although more compact and featuring a collapsible stock, it achieves over 85% commonality with the M16A2 rifle.</p> <p>JUSTIFICATION: The M4 Carbine will provide soldiers with a compact, light-weight weapon that can provide better self protection and additional firepower in close quarters. The FY01 program will allow for the uninterrupted fielding of the M4 Carbine to Army units. Procurement is necessary to achieve the Army Procurement Objective (APO) for the M4 Carbine.</p> | | | | | | | | | | | | |

| Exhibit P-5, Weapon WTCV Cost Analysis | | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat | | | | P-1 Line Item Nomenclature: 5.56 CARBINE M4 (G14904) | | | | Weapon System Type: | | Date: February 2000 | |
|--|--|--|---|-------------|-------------------|--------------------|---|-------------------|--------------------|-------------|---------------------|--------------------|------------------------|-------------------|
| Cost Elements | | | FY 98 | | | FY 99 | | | FY 00 | | | FY 01 | | |
| | | | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 |
| 1. Hardware M4 Carbine w/Sling Magazine, Blank Firing Attachment, and Improved Buttstock | | | | | | 3288 | 6310 | 1 | 4552 | 8687 | 1 | 4354 | 8309 | 1 |
| 2. Engineering Support - In House Support | | | | | | 424 | | | 278 | | | 316 | | |
| 3. Engineering Change Proposals (ECP's) | | | | | | 161 | | | 91 | | | 50 | | |
| 4. Quality Assurance (ARDEC) | | | | | | | | | 75 | | | 75 | | |
| 5. Integrated Logistics Support (ILS) | | | | | | 75 | | | 75 | | | 75 | | |
| 6. Fielding/Transportaion | | | | | | 246 | | | 215 | | | 320 | | |
| 7. Engineering Study | | | | | | | | | | | | | | |
| TOTAL | | | | | | 4194 | | | 5286 | | | 5190 | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | | Date: | February 2000 |
|--|-----------------------------------|--------------------------|---------------------|---|------------------------|----------|-----------------|------------------|-------------------|----------------|---------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | Weapon System Type: | | P-1 Line Item Nomenclature: 5.56 CARBINE M4 (G14904) | | | | | | | |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | Date Revisn Avail | RFP Issue Date | |
| FY99 | Colt's Mfg Co., Inc. Hartford, CT | SS/FFP M-4(3) | TACOM - Rock Island | Feb-99 | Apr-00 | 3684 | 1 | Yes | No | | |
| | Colt's Mfg Co., Inc. Hartford, CT | SS/FFP M-4(4) | TACOM - Rock Island | Feb-99 | Nov-00 | 2626 | 1 | Yes | No | | |
| FY00 | Colt's Mfg Co., Inc. Hartford, CT | Option/ FY98 SS/FFP | TACOM - Rock Island | Jan-00 | Jul-01 | 8687 | 1 | Yes | No | | |
| FY01 | Colt's Mfg Co., Inc. Hartford, CT | Option/ FY98 SS/FFP | TACOM - Rock Island | Jan-01 | Mar-02 | 8309 | 1 | Yes | No | | |
| REMARKS: | | | | | | | | | | | |

| FY 00 / 01 BUDGET PRODUCTION SCHEDULE | | | | | | | | | | P-1 Item Nomenclature: 5.56 CARBINE M4 (G14904) | | | | | | | | | | Date: February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|-----------------|---|-------|------|---------------|-----------------------|---------------------|------------------|-----|---|-----|-----|-----|------------------|-----|-----|-----|-----|-----|---------------------|-----|-----|-----|-----|-----|------------------|-----|-----|-----|-----|-----|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| MFR | NAME / LOCATION | M | FY | SERV | PROC QTY Each | ACCEP. PRIOR TO 1 OCT | BAL DUE AS OF 1 OCT | Fiscal Year 01 | | | | | | | | | | | | Fiscal Year 02 | | | | | | | | | | | | L A T E R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | Calendar Year 01 | | | | | | Calendar Year 02 | | | | | | Calendar Year 01 | | | | | | Calendar Year 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Hardware | 1 | 98&PR | A | 77.9 | 75.0 | 2.9 | 0.5 | 0.5 | 0.5 | 0.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHs / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | | MARK-19 MODIFICATIONS (GB3000) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 1.8 | 0.7 | 2.7 | 3.9 | 3.9 | 0.0 | 15.0 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 1.8 | 0.7 | 2.7 | 3.9 | 3.9 | 0.0 | 15.0 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 1.8 | 0.7 | 2.7 | 3.9 | 3.9 | 0.0 | 15.0 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |

DESCRIPTION: The Adjustable Sight Bracket (ASB), when attached to the MK19 Grenade Machine Gun will provide a mounting interface for various night vision devices.

JUSTIFICATION: The ASB adjusts to allow the fire control to maintain a line of sight to target out to max range while the weapon is elevated to engage targets. The FY 00/01 procurement allows for the mounting of Night Vision Devices on the weapon. The bracket in conjunction with Night Vision devices will result in reduced target acquisition time.

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | Date | February 2000 |
|--|----------------|--------------------------|---------|--------------------------------|---------|---------|---------|---------|---------|-----|-------|---------------|
| Appropriation / Budget Activity/Serial No. | | P-1 Item Nonnomenclature | | MARK-19 MODIFICATIONS (GB3000) | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | | |
| Program Elements for Code B Items | | Code | | Other Related Program Elements | | | | | | | | |
| Description | | Fiscal Years | | | | | | | | | | |
| OSIP NO. | Classification | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total | |
| Adjustable Sight Bracket | | | | | | | | | | | | |
| TBD1 | Operational | 0.0 | 0.0 | 2.0 | 1.8 | 0.7 | 2.7 | 3.9 | 3.9 | 5.7 | 20.7 | |
| Totals | | 0.0 | 0.0 | 2.0 | 1.8 | 0.7 | 2.7 | 3.9 | 3.9 | 5.7 | 20.7 | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---------------|-------|---------|-------------|---|---|---------|--|--|--|---------|--|--|--|---------|--|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|---|---|---|---|---|---|--------|---|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE: Adjustable Sight Bracket TBD1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: MK19 Grenade Machine Gun | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>The Adjustable Sight Bracket (ASB), when attached to the MK19 Grenade Machine Gun will provide a mounting interface for various night vision devices. The ASB adjusts to allow the fire control to maintain a line of sight to target out to max range while the weapon is elevated to engage targets. The ASB in conjunction with Night Vision devices will result in reduced target acquisition time.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Materiel Work Order Production Contract Award First Production Delivered First Unit Equipped </div> <div style="width: 45%; text-align: center;"> PLANNED 2Q00 4Q00 3Q01 4Q01 </div> <div style="width: 45%; text-align: center;"> ACTUAL </div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 1 | | | | | | | | | | | | | | | | | | | | Inputs | | | | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th rowspan="2">To Complete</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | To Complete | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 1 | | | | | | | | | | | | | | | | | Inputs | | | | | | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | To Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Field Application | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2000 SEP 00 5 Months FY 2001 MAR 01 12 Months FY 2000 JUN 01 FY 2001 FEB 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | February 2000 | | |
|----------------------------------|-------------------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|-------|---------------|--------|-------|
| Adjustable Sight Bracket TBD1 | | | | | | | | | | | | | | | | | | Date | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | 0.473 | | | | | | | | | | | | | | | | | | | 0.473 |
| PROCUREMENT | | | | | 1594 | | 1601 | | 457 | | 2538 | | 3650 | | 3646 | | 4514 | | 18000 | |
| Quantity | | | | | | | | | | | | | | | | | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Hardware | | | | | 1.426 | | 1.403 | | 0.406 | | 2.377 | | 3.559 | | 3.497 | | 4.966 | | 17.634 | |
| Engineering Support | | | | | | | | | | | | | | | | | | | | |
| Testing | | | | | 0.425 | | 0.300 | | 0.250 | | 0.250 | | 0.250 | | 0.250 | | 0.500 | | 2.225 | |
| Integrated Logistical Support | | | | | 0.010 | | | | | | | | | | | | 0.025 | | 0.035 | |
| Fielding | | | | | 0.060 | | 0.060 | | 0.060 | | 0.060 | | 0.060 | | 0.060 | | 0.120 | | 0.480 | |
| | | | | | 0.050 | | 0.050 | | 0.025 | | 0.050 | | 0.050 | | 0.050 | | 0.100 | | 0.375 | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | 400 | | 1194 | | 1201 | | | | | | | | 1594 | |
| FY 2001 Eqpt -- Kits | | | | | | | | | 400 | | 457 | | | | | | | | 1601 | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | 600 | | 1938 | | | | | | 457 | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | 733 | | | | | | 2538 | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | 2917 | | | | 3650 | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | 211 | | | | 3646 | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | 3435 | | | |
| Total Installation | | | | | | | 400 | | 1594 | | 2258 | | 2671 | | 3128 | | 7949 | | 18000 | |
| Total Procurement Cost | | | | | 2.0 | | 1.8 | | 0.7 | | 2.7 | | 3.9 | | 3.9 | | 5.7 | | 20.7 | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | Date: | February 2000 | |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------------------------------|---------------|------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | P-1 Item Nomenclature: | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | M4 CARBINE MODS (GB3007) | | |
| Program Elements for Code B Items: | | | | | | | | | | Other Related Program Elements: | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | | | | | | | | | | | | |
| Gross Cost | 0.9 | 4.8 | 7.4 | 6.7 | 5.3 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.6 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 0.9 | 4.8 | 7.4 | 6.7 | 5.3 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.6 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 0.9 | 4.8 | 7.4 | 6.7 | 5.3 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.6 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |

DESCRIPTION: The M4 Carbine Modification Program provides a close combat optic, an improved buttstock, a modular weapon suite: which includes a rail system, a top carry sling and a permanently affixed back-up iron sight for the M4 Carbine. It also provides the capability for firing the M203A1 Grenade Launcher (GL) with the M4 Carbine.

JUSTIFICATION: The close combat optic allows the soldier to fire a weapon with both eyes open allowing greater awareness of events happening in close proximity and improves hit probability in daylight, low light level, wet weather and other adverse conditions. The modular weapon system is a key component of Land Warrior Lethality and allows the combat commander to custom configure weapons based upon the mission. The top sling maintains the Carbine in an upright position freeing the user's hands for other tasks. The permanent back-up, rear optive, iron sight provides that capability in the event it becomes immediately necessary. The M203A1 Grenade Launcher insures compatibility with the M4 Carbine. The improved buttstock provides the rifleman an ergonomically optimized buttstock for the M4 Carbine.

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | |
|--|----------------|--------------|---------|-----------------------|---------|--------------------------------|---------|--------------------------|---------|-----|-------|
| Appropriation / Budget Activity/Serial No. | | | | Date | | | | February 2000 | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | | | P-1 Item Nomenclature | | | | M4 CARBINE MODS (GB3007) | | | |
| Program Elements for Code B Items | | | | Code | | Other Related Program Elements | | | | | |
| Description | | Fiscal Years | | | | | | | | | |
| OSIP NO. | Classification | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total |
| Modular Weapon System | | | | | | | | | | | |
| TBD1 | Operational | 5.8 | 3.9 | 0.0 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.2 |
| Close Combat Optic | | | | | | | | | | | |
| TBD2 | Operational | 5.1 | 2.6 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.0 |
| M203 for M4 Carbine | | | | | | | | | | | |
| TBD3 | Operational | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 |
| M4 Carbine Buttstock | | | | | | | | | | | |
| TBD4 | Operational | 0.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 |
| Totals | | | | | | | | | | | |
| | | 13.1 | 6.7 | 5.3 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 27.7 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | Date | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| MODIFICATION TITLE: Modular Weapon System TBD1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: 5.56 Carbine M4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>The modular weapon is a system of mounting rails/methods to allow the custom configuration of M4 Carbines with ancillary items such as optics, night sights, IR laser pointers, the grenade launcher, back-up sights, etc., based upon mission requirements.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0"> <tr> <td colspan="10">DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:</td> <td colspan="7">PLANNED</td> <td colspan="2">ACTUAL</td> </tr> <tr> <td colspan="10">Developmental/Operational Tests</td> <td colspan="7"></td> <td colspan="2">3Q95-2Q96</td> </tr> <tr> <td colspan="10">Milestone III Production Decision</td> <td colspan="7"></td> <td colspan="2">4Q97</td> </tr> <tr> <td colspan="10">Production Contract Award</td> <td colspan="7"></td> <td colspan="2">4Q97</td> </tr> <tr> <td colspan="10">First Production Hardware Delivered</td> <td colspan="7"></td> <td colspan="2">4Q98</td> </tr> <tr> <td colspan="10">First Unit Equipped</td> <td colspan="7"></td> <td colspan="2">2Q99</td> </tr> </table> | | | | | | | | | | | | | | | | | DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | PLANNED | | | | | | | ACTUAL | | Developmental/Operational Tests | | | | | | | | | | | | | | | | | 3Q95-2Q96 | | Milestone III Production Decision | | | | | | | | | | | | | | | | | 4Q97 | | Production Contract Award | | | | | | | | | | | | | | | | | 4Q97 | | First Production Hardware Delivered | | | | | | | | | | | | | | | | | 4Q98 | | First Unit Equipped | | | | | | | | | | | | | | | | | 2Q99 | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | PLANNED | | | | | | | ACTUAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Developmental/Operational Tests | | | | | | | | | | | | | | | | | 3Q95-2Q96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Milestone III Production Decision | | | | | | | | | | | | | | | | | 4Q97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Production Contract Award | | | | | | | | | | | | | | | | | 4Q97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Production Hardware Delivered | | | | | | | | | | | | | | | | | 4Q98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Unit Equipped | | | | | | | | | | | | | | | | | 2Q99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | INDIVIDUAL MODIFICATION | | | | | | | | | | February 2000 | |
|----------------------------------|-------------------|-------|---------|-------|---------|----|---------|-------|---------|------|---------|----|---------|-------------------------|---------|----|-----|----|-------|--------|--|--|--|---------------|--|
| Modular Weapon System TBD1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | | | | | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | | | | | |
| RDT&E | | 1.158 | | | | | | | | | | | | | | | | | | 1.158 | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quantity (Rail Systems) | 15058 | | 7788 | | | | 5400 | | | | | | | | | | | | 28246 | | | | | | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hardware | | 5.411 | | 3.352 | | | | 2.322 | | | | | | | | | | | | 11.085 | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | | | | | | |
| Engineering Support | | 0.258 | | 0.343 | | | | 0.092 | | | | | | | | | | | | 0.693 | | | | | |
| Testing | | 0.020 | | | | | | | | | | | | | | | | | | 0.020 | | | | | |
| Integrated Logistical Support | | 0.040 | | 0.030 | | | | 0.030 | | | | | | | | | | | | 0.100 | | | | | |
| Fielding | | 0.117 | | 0.124 | | | | 0.060 | | | | | | | | | | | | 0.301 | | | | | |
| Engineering Study | | | | 0.040 | | | | | | | | | | | | | | | | 0.040 | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 2000 | | 9500 | | | | | | | | | | | | | | | | 15058 | | | | | | |
| FY 1999 Eqpt -- Kits | | | | 3558 | | | | | | | | | | | | | | | 7788 | | | | | | |
| FY 2000 Eqpt -- Kits | | | | 7788 | | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | 5400 | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | 5400 | | | | | | |
| Total Installment | 2000 | 5.8 | 9500 | 3.9 | 11346 | | | 2.5 | 5400 | | | | | | | | | | 28246 | 12.2 | | | | | |
| Total Procurement Cost | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | Date | February 2000 | | |
|--|--|---------|---|---------|---|---------|---|---------|---|---------|---|---|---|--|---------|---------------|--------|--|
| MODIFICATION TITLE: Close Combat Optic TBD2 | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M4 Carbine, M68 Sight Reflex | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | |
| <p>The M68 Sight will be installed on the M4 Carbine. The close combat optic allows the soldier to fire a weapon with both eyes open allowing greater awareness of events happening in close proximity. The close combat optic gives the soldier greater hit probability in daylight, low light level, wet weather and other adverse conditions.</p> | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | PLANNED | | ACTUAL | |
| Development/Operational Test | | | | | | | | | | | | | | | 1/2Q96 | | | |
| Type Classification (LRIP) | | | | | | | | | | | | | | | 4Q96 | | | |
| Production Contract Award | | | | | | | | | | | | | | | 4Q96 | | | |
| First Production Hardware Delivered | | | | | | | | | | | | | | | 1Q97 | | | |
| First Unit Equipped | | | | | | | | | | | | | | | 2Q98 | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Field Application | | | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: 1 Months | | | | | | | | | | | | | | | | | | |
| PRODUCTION LEADTIME: 10 Months | | | | | | | | | | | | | | | | | | |
| Contract Dates: | | | | | | | | | | | | | | | | | | |
| FY 1999 Feb 99 | | | | | | | | | | | | | | | | | | |
| FY 2000 Jan 00 | | | | | | | | | | | | | | | | | | |
| FY 1999 Nov 99 | | | | | | | | | | | | | | | | | | |
| FY 2000 Apr 00 | | | | | | | | | | | | | | | | | | |
| FY 2001 | | | | | | | | | | | | | | | | | | |
| FY 2001 | | | | | | | | | | | | | | | | | | |
| Delivery Date: | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | |
|----------------------------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|--------------|
| Close Combat Optic TBD2 | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | |
| | FY 1998 Qty | FY 1998 \$ | FY 1999 Qty | FY 1999 \$ | FY 2000 Qty | FY 2000 \$ | FY 2001 Qty | FY 2001 \$ | FY 2002 Qty | FY 2002 \$ | FY 2003 Qty | FY 2003 \$ | TOTAL Qty |
| RDT&E | 1,469 | | | | | | | | | | | | 1,469 |
| PROCUREMENT | | | | | | | | | | | | | |
| Quantity | 23300 | | 11625 | | 20320 | | | | | | | | 55245 |
| Installation Kits | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | |
| Hardware | | 4.504 | 2.423 | | 4.977 | | | | | | | | 11.904 |
| Equipment, Nonrecurring | | | | | | | | | | | | | |
| Engineering Support | | 0.363 | 0.163 | | 0.225 | | | | | | | | 0.751 |
| Testing | | 0.150 | | | 0.050 | | | | | | | | 0.200 |
| Integrated Logistical Support | | 0.050 | | | 0.020 | | | | | | | | 0.070 |
| Fielding | | 0.050 | | | 0.020 | | | | | | | | 0.070 |
| Other | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 4399 | | 18901 | | | | | | | | | | 23300 |
| FY 1999 Eqpt -- Kits | | | | | 11625 | | | | | | | | 11625 |
| FY 2000 Eqpt -- Kits | | | | | 10659 | | 9661 | | | | | | 20320 |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | |
| Total Installment | 4399 | 5.1 | 18901 | 2.6 | 22284 | 5.3 | 9661 | | | | | | 55245 |
| Total Procurement Cost | | | | | | | | | | | | | 13.0 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | Date | February 2000 |
|---|--|---------|---|---------|---|---------|---|---------|---|---------|---|--------|---|----------|------|---------------|
| MODIFICATION TITLE: M203 for M4 Carbine TBD3 | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M4 Carbine, M4A1 | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: The Army units assigned the M4 Carbine will obtain the capability to fire the M203 Grenade Launcher (GL) with the M4 Carbine. | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Developmental/Operational Tests Type Classification/Milestone III Production Contract Award First Production Hardware Delivered First Unit Equipped </div> <div style="width: 45%; text-align: center;"> PLANNED 1Q97 4Q97 4Q97 3Q98 4Q98 </div> </div> | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | |
| Inputs Outputs | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | |
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 |
| Inputs Outputs | | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | To | | Totals | | | | |
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | |
| METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: Months PRODUCTION LEADTIME: Months | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 FY 2000 FY 2001 FY 2001 | | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 FY 2000 FY 2001 FY 2001 | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | February 2000 | |
|---|---------|---------|---------|---------|---------|---------|---------|-----|-------|-----|-----|-----|-----|---------------|-------|
| MODIFICATION TITLE (Cont): M203 for M4 Carbine TBD3 | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | |
| FY 1998 and Prior | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | TOTAL | | | | | | |
| Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty |
| 0.631 | | | | | | | | | | | | | | | 0.631 |
| 5152 | | | | | | | | | | | | | | 5152 | |
| 1.148 | | | | | | | | | | | | | | | 1.148 |
| 0.348 | | | | | | | | | | | | | | | 0.348 |
| 0.012 | | | | | | | | | | | | | | | 0.012 |
| 0.040 | | | | | | | | | | | | | | | 0.040 |
| 0.030 | | | | | | | | | | | | | | | 0.030 |
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| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | |
|--|--------|---------|---|---------|---|---------|---|---------|---|---------|---|---------------|---|--|
| | | | | | | | | | | Date | | February 2000 | | |
| MODIFICATION TITLE: M4 Carbine Buttstock TBD4 | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M4 Carbine | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>The M4 Improved Buttstock provides the rifleman with features for obtaining the proper shooting form; stock/shoulder weld and stock/cheek weld.</p> <p>This program provides the rifleman with an ergonomically optimized buttstock for the M4 Carbine.</p> | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Finalize Design Contract Award (Limited Rate) First Production Hardware Delivered MWO/First Unit Equipped </div> <div style="width: 10%; text-align: center;"> PLANNED </div> <div style="width: 45%;"> ACCOMPLISHED 1Q98 2Q98 3Q98 1Q99 </div> </div> | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | |
| Inputs Outputs | Pr Yr | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | |
| | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs Outputs | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 1 Months PRODUCTION LEADTIME: 3 Months | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 Aug 99 FY 2000 FY 2001 | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 Oct 99 FY 2000 FY 2001 | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | February 2000 |
|--|----------------------|---------|---------|---------|---------|---------|---------|---------|-----|-------|-----|-----|-------|---------------|
| MODIFICATION TITLE (Cont): M4 Carbine Buttstock TBD4 | | | | | | | | | | | | | | Date |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | |
| | FY 1998 and Prior | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | TOTAL | | | | |
| | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | |
| Quantity | 10300 | 30769 | | | | | | | | | | | 41069 | |
| Installation Kits | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | | |
| Hardware | 0.519 | 0.142 | | | | | | | | | | | | 0.7 |
| Equipment, Nonrecurring | 0.063 | 0.042 | | | | | | | | | | | | 0.1 |
| Engineering Support | | 0.057 | | | | | | | | | | | | 0.1 |
| Testing | 0.020 | 0.005 | | | | | | | | | | | | 0.0 |
| Integrated Logistical Support | | | | | | | | | | | | | | |
| Fielding | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | 10300 | | | | | | | | | | | 10300 | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | 30769 | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | |
| Total Installment | | 10300 | 30769 | | | | | | | | | | 41069 | |
| Total Procurement Cost | 0.6 | 0.2 | | | | | | | | | | | | 0.8 |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|---|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | | SQUAD AUTOMATIC WEAPON (MOD) (GZ1290) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 6.0 | 0.0 | 0.0 | 0.0 | 8.3 | 10.0 | 5.4 | 4.1 | 4.8 | 0.0 | 0.0 | 38.6 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 6.0 | 0.0 | 0.0 | 0.0 | 8.3 | 10.0 | 5.4 | 4.1 | 4.8 | 0.0 | 0.0 | 38.6 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 6.0 | 0.0 | 0.0 | 0.0 | 8.3 | 10.0 | 5.4 | 4.1 | 4.8 | 0.0 | 0.0 | 38.6 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |
| DESCRIPTION: | | | | | | | | | | | | | |
| <p>The M249 Squad Automatic Weapon (SAW) is a 5.56mm, lightweight, machine gun that can be utilized in the automatic rifle role and the machine gun role. The M249 Feedtray Cover will provide a Military Standard 1913 rail interface allowing the mounting of standard military optics (M145 Machine Gun Optics, TWS, PVS-4, etc.) directly to the machine gun. The front rails will be fastened to the sides and bottom of the M249 SAW receiver. The side rails accommodate the devices when the weapon is used in either role, while the bottom rail provides an attachment for the vertical handgrip when the SAW is used in the automatic rifle role. The M249 Machine Gun Short Barrel will provide a short version of the 5.56mm automatic weapon.</p> | | | | | | | | | | | | | |
| JUSTIFICATION: | | | | | | | | | | | | | |
| <p>The rails will allow for the attachment of a large variety of existing and future high technology electronic and night vision devices, vertical handgrip and horizontal handgrip, which will provide the soldier additional capabilities to engage targets at extended ranges and during periods of limited visibility. The short barrel, when used in conjunction with the M5 Collapsible Buttstock, shortens the M249 Machine Gun by more than 10 inches enhancing the operational capability by improving MOUT maneuverability and Airborne/Air Assault jump capabilities.</p> | | | | | | | | | | | | | |

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | | Date | February 2000 |
|--|----------------|---------------------------------------|---------|--------------------------------|---------|---------|---------|---------|---------|-----|-----|-------|---------------|
| Appropriation / Budget Activity/Serial No. | | P-1 Item Nomenclature | | | | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | SQUAD AUTOMATIC WEAPON (MOD) (GZ1290) | | | | | | | | | | | |
| Program Elements for Code B Items | | Code | | Other Related Program Elements | | | | | | | | | |
| Description | | Fiscal Years | | | | | | | | | | Total | |
| OSIP NO. | Classification | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | TC | Total | |
| M249 Feedtray Covers | | | | | | | | | | | | | |
| TBD1 | Operational | 0.0 | 0.0 | 5.3 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.7 | |
| M249 Rails/Bipod/Handguard | | | | | | | | | | | | | |
| TBD2 | Operational | 0.0 | 0.0 | 0.0 | 0.5 | 5.4 | 4.1 | 4.8 | 0.0 | 0.0 | 0.0 | 14.9 | |
| M249 Short Barrel | | | | | | | | | | | | | |
| TBD3 | Operational | 0.0 | 0.0 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | |
| Totals | | 0.0 | 0.0 | 8.3 | 10.0 | 5.4 | 4.1 | 4.8 | 0.0 | 0.0 | 0.0 | 32.6 | |

* The Prior Year Total on the P40 includes \$6.M of programs no longer on this line.

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | |
|---|--|---------|---|------------|---|---------|---|---------|---|----------|---|--|---|--|
| | | | | | | | | | | Date | | February 2000 | | |
| MODIFICATION TITLE: M249 Feedtray Covers TBD1 | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M249 Squad Automatic Weapon & Machine Gun | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>The M249 Feedtray Cover will provide a Military Standard 1913 rail interface. The rail will allow mounting standard military optics (M145 Machine Gun Optics, TWS, PVS-4 etc), directly to the machine gun. The rail is required to ensure that advanced optical sights can be mounted on the M249 providing the soldier additional capabilities to engage targets at extended ranges and during periods of limited visibility.</p> | | | | | | | | | | | | | | |
| | | | | | | | | | | PLANNED | | ACTUAL | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Developmental/User Test Production Decision Production Contract Award First Production Hardware Delivered First Unit Equipped | | | | | | | | | | | | 3Q98 4Q98 2Q00 3Q00 4Q00 | | |
| Installation Schedule: | | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | |
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Totals | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| Pr Yr | | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | To | | Totals | | |
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Totals | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: | | | | | | | | | | | | | | |
| Contract Dates: | | FY 1999 | | Enter Date | | FY 2000 | | Feb 00 | | 5 Months | | PRODUCTION LEADTIME: 5 Months | | |
| Delivery Date: | | FY 1999 | | Enter Date | | FY 2000 | | Jun 00 | | FY 2001 | | Feb 01 Jun 01 | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | |
|----------------------------------|----------------------|----|---------|-----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|-----|----|-------|
| M249 Feedtray Covers TBD1 | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | |
| RDT&E | 0.602 | | | | | | | | | | | | | | | | | | 0.6 |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | |
| Quantity | | | 22336 | | 36570 | | | | | | | | | | | | | | 58906 |
| Installation Kits | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | | | | | | | |
| Hardware | | | | | 4.932 | | 8.046 | | | | | | | | | | | | 13.0 |
| Engineering Support | | | | | | | | | | | | | | | | | | | 0.5 |
| Testing | | | | | 0.232 | | 0.285 | | | | | | | | | | | | 0.1 |
| Integrated Logistical Support | | | | | 0.050 | | 0.050 | | | | | | | | | | | | 0.1 |
| Fielding | | | | | 0.050 | | 0.050 | | | | | | | | | | | | 0.1 |
| Other | | | | | 0.025 | | 0.025 | | | | | | | | | | | | 0.1 |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | 7445 | | 27081 | | 8.5 | | 24380 | | | | | | | | | | 58906 |
| Total Procurement Cost | | | | 5.3 | | | | | | | | | | | | | | | 13.7 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | Date | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|---|---|------------|---------|---|---|----------------------|---------|---|---|------------|---------------|--------------------------|---------|----------|---------|-----------|---------|--|--|----------------------|---------|--|--|----------|---------|--|--|---------|---------|--|--|---------|---|---|---|---------|---|---|---|---------|---|---|---|------------|---|---|---|------------|---|---|---|------------|--------|--|--|------------|--|--|--|---------|--|--|--|---------|--|--|--|---------|--|--|--|---------|--|--|--|------------|--|--|--|------------|--|--|--|------------|--|--|--|------------|--|--|--|
| MODIFICATION TITLE: M249 Rails/Bipod/Handguard TBD2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M249 Squad Automatic Weapon & Machine Gun | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>The M249 Squad Automatic Weapon (SAW) is a 5.56mm, lightweight, machine gun that will be utilized in the automatic rifle role and the machine gun role. The front rails will be fastened to the sides and bottom of the M249 SAW receiver. They will allow the attachment of a large variety of existing and future high technology electronic and night vision devices, vertical handgrip and horizontal handgrip.</p> <p>The front side rails accommodate the devices when the weapon is used in either role. When the SAW is used in the automatic rifle role, the bottom rail provides an attachment point for the vertical handgrip.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLANNED 2Q01 3Q01 4Q01 2Q02 4Q02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Developmental/Operational Test | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Production Decision | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Production Contract Award | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Production Hardware Delivered | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Unit Equipped | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td colspan="19">Totals</td> </tr> </tbody> </table> | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th colspan="4">To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td colspan="4">Complete</td> </tr> <tr> <td colspan="16">Totals</td> </tr> </tbody> </table> | | | | | | | | | | | | | | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | To | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | To | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th colspan="4">ADMINISTRATIVE LEADTIME:</th> <th colspan="4">10 Months</th> <th colspan="4">PRODUCTION LEADTIME:</th> <th colspan="4">7 Months</th> </tr> </thead> <tbody> <tr> <td colspan="4">FY 1999</td> <td colspan="4">FY 2000</td> <td colspan="4">FY 2001</td> <td colspan="4">FY 2002</td> </tr> <tr> <td colspan="4">Enter Date</td> <td colspan="4">Enter Date</td> <td colspan="4">Enter Date</td> <td colspan="4">Enter Date</td> </tr> <tr> <td colspan="4">FY 1999</td> <td colspan="4">FY 2000</td> <td colspan="4">FY 2001</td> <td colspan="4">FY 2002</td> </tr> <tr> <td colspan="4">Enter Date</td> <td colspan="4">Enter Date</td> <td colspan="4">Enter Date</td> <td colspan="4">Enter Date</td> </tr> </tbody> </table> | | | | | | | | | | | | | | ADMINISTRATIVE LEADTIME: | | | | 10 Months | | | | PRODUCTION LEADTIME: | | | | 7 Months | | | | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | Enter Date | | | | Enter Date | | | | Enter Date | | | | Enter Date | | | | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | Enter Date | | | | Enter Date | | | | Enter Date | | | | Enter Date | | | |
| ADMINISTRATIVE LEADTIME: | | | | 10 Months | | | | PRODUCTION LEADTIME: | | | | 7 Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Enter Date | | | | Enter Date | | | | Enter Date | | | | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Enter Date | | | | Enter Date | | | | Enter Date | | | | Enter Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | |
|--|--|---------|---|---|------------|---|---|---------|---|----------------|---------|---|---|---------|---------------|---|--------|--|--|
| MODIFICATION TITLE: M249 Short Barrel TBD3 | | | | | | | | | | | | | | Date | | | | | |
| MODELS OF SYSTEMS AFFECTED: IM249 Squad Automatic Weapon & Machine Gun | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: The M249 Machine Gun Short Barrel will provide a short version of the 5.56mm automatic weapon. The Short Barrel, when used in conjunction with the M5 Collapsible Buttstock, shortens the M249MG by more than 10 inches. The resultant short weapon enhances operational capability by improving MOUT maneuverability and Airborne/Air Assault jump capabilities. | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | PLANNED | | | | | ACTUAL | | | | |
| | | | | | | | | | | | | | | | 1Q00 | | | | |
| | | | | | | | | | | | | | | | 2Q00 | | | | |
| | | | | | | | | | | | | | | | 3Q00 | | | | |
| | | | | | | | | | | | | | | | 1Q01 | | | | |
| | | | | | | | | | | | | | | | 2Q01 | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | | FY 2000 | | | FY 2001 | | | FY 2002 | | | FY 2003 | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| Inputs | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: | | | | | | | | | | | | | | | | | | | |
| Contract Dates: | | FY 1999 | | | Enter Date | | | FY 2000 | | | May 00 | | | FY 2001 | | | May 01 | | |
| Delivery Date: | | FY 1999 | | | Enter Date | | | FY 2000 | | | Nov 00 | | | FY 2001 | | | Nov 01 | | |
| ADMINISTRATIVE LEADTIME: 5 Months PRODUCTION LEADTIME: 6 Months | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|-------------------|----|---------|------|---------|-------|---------|-------|---------|------|---------|----|---------|----|---------|----|-----|----|-------|-----|
| M249 Short Barrel TBD3 | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | | 4536 | | | | 1184 | | | | | | | | | | | 5720 | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Hardware | | | | | | 2.395 | | 0.625 | | | | | | | | | | | | 3.0 |
| Engineering Support | | | | | | 0.400 | | 0.250 | | | | | | | | | | | | 0.7 |
| Testing | | | | | | 0.100 | | 0.050 | | | | | | | | | | | | 0.2 |
| Integrated Logistical Support | | | | | | 0.075 | | 0.050 | | | | | | | | | | | | 0.1 |
| Fielding | | | | | | 0.030 | | 0.025 | | | | | | | | | | | | 0.1 |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | | | | | | | | | | | | | | | | | | |
| Total Procurement Cost | | | | | | 3.0 | | 1.0 | | 1184 | | | | | | | | | 5720 | 4.0 |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | Date: | February 2000 | |
|--|-------------|---------|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------------|------------|
| Appropriation / Budget Activity/Serial No: | | | P-1 Item Nonendowment: | | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMVT VEHs / 2 / Weapons and Other Combat Vehicles | | | MEDIUM MACHINE GUNS (MODS) (GZ1300) | | | | | | | | | |
| Program Elements for Code B Items: | | | Other Related Program Elements: | | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | | | | | | | | | | | | |
| Gross Cost | 6.3 | 1.9 | 0.0 | 0.0 | 0.0 | 0.5 | 0.7 | 0.0 | 3.0 | 3.0 | 0.0 | 15.4 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 6.3 | 1.9 | 0.0 | 0.0 | 0.0 | 0.5 | 0.7 | 0.0 | 3.0 | 3.0 | | 15.4 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 6.3 | 1.9 | 0.0 | 0.0 | 0.0 | 0.5 | 0.7 | 0.0 | 3.0 | 3.0 | 0.0 | 15.4 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |

DESCRIPTION: The M240B Machine Gun is a ground version of the M240 Machine Gun, the 7.62mm Medium Machine Gun class weapon designed as a coaxial/pintle-mounted weapon for tanks and light armored vehicles. The M240B is an air cooled, link-belt fed, gas operated weapon. The weapon features fixed head space, which permits rapid change of the barrels. The principle difference between the M240 and the M240B is the addition of a flash suppressor, front sight, carrying handle for the barrel, buttstock, pistol grip, bipod, heatshield and rear sight assembly. The M240B Machine Gun may also be tripod-mounted and used in conjunction with a traversing and elevating mechanism and a flex mount pintle. Since the initial fielding of the M240B, various system enhancements have been identified that further improves the use of this weapon system by reducing weight, increasing functionality, and improving training capability.

JUSTIFICATION: The M240B Medium Machine Gun is an infantry version of the M240 Armored Machine Gun intended to replace the M60 Series Machine Gun in light infantry, mechanized infantry, and combat engineer units. The US Army has identified a need to upgrade its current inventory of 7.62mm Medium Machine Guns in order to provide the dismounted infantryman a more reliable, accurate, and lethal medium machine gun to suppress and destroy enemy personnel, lightly armored vehicles and fortified positions. The system enhancements have been identified by fielded units as those which are desired to further improve this remarkably reliable weapon system.

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | | Date |
|--|----------------|-------------------------------------|---------|--------------------------------|---------|---------|---------|---------|---------|-----|-------|------|
| Appropriation / Budget Activity/Serial No. | | P-1 Item Nomenclature | | February 2000 | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | MEDIUM MACHINE GUNS (MODS) (GZ1300) | | | | | | | | | | |
| Program Elements for Code B Items | | Code | | Other Related Program Elements | | | | | | | | |
| Description | | Fiscal Years | | | | | | | | | | |
| OSIP NO. | Classification | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total | |
| M240B System Improvements | | | | | | | | | | | | |
| TBD1 | | 0.0 | 0.0 | 0.0 | 0.5 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | |
| Improved Tripod | | | | | | | | | | | | |
| TBD2 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 3.0 | 4.5 | 10.5 | |
| Totals | | 0.0 | 0.0 | 0.0 | 0.5 | 0.7 | 0.0 | 3.0 | 3.0 | 4.5 | 11.7 | |

* The Prior Year Total on the P40 includes \$8.2M of programs no longer on this line.

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|--------|---------|---|-----------------------------------|---|---------|---|---------|-------------------------------|--------|---|--|------|--|---------|--------|-------------------------------|--------|--|---------------------|--------|--|---------------------------|--------|--|-------------------------------------|--------|--|---------------------|--------|--|
| MODIFICATION TITLE: M240B System Improvements TBD1 | | | | | | | | | | | | | | Date | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: ARMOR MACHINE GUN, 7.62MM M240 SERIES (G13000) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>The M240B system improvements decrease the system weight and improve the weapon system functionality. Providing capability to carry and attach weapon system accessories, provide for adjustable bipod, improved ergonomics of buttstock and improvements in the heatshield design attains increased functionality. Reducing weight in various weapon and tripod components attains the reduction in weight.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:</p> <table border="0"> <tr> <td></td> <td>Planned</td> <td>ACTUAL</td> </tr> <tr> <td>Development/Operational Tests</td> <td>Mar 00</td> <td></td> </tr> <tr> <td>Production Decision</td> <td>OCT 01</td> <td></td> </tr> <tr> <td>Production Contract Award</td> <td>Jun 01</td> <td></td> </tr> <tr> <td>First Production Hardware Delivered</td> <td>Dec 01</td> <td></td> </tr> <tr> <td>First Unit Equipped</td> <td>Mar 02</td> <td></td> </tr> </table> | | | | | | | | | | | | | | | | Planned | ACTUAL | Development/Operational Tests | Mar 00 | | Production Decision | OCT 01 | | Production Contract Award | Jun 01 | | First Production Hardware Delivered | Dec 01 | | First Unit Equipped | Mar 02 | |
| | Planned | ACTUAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development/Operational Tests | Mar 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Production Decision | OCT 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Production Contract Award | Jun 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Production Hardware Delivered | Dec 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Unit Equipped | Mar 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | To | | Totals | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 | | | | | ADMINISTRATIVE LEADTIME: 8 Months | | | | | PRODUCTION LEADTIME: 6 Months | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 | | | | | FY 2000 | | | | | FY 2001 JUN 01 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | FY 2000 | | | | | FY 2001 DEC 01 | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | Date | | February 2000 | | | | |
|---|-------------------|----|---------|----|---------|----|---------|-------|---------|-------|---------|----|---------|------|---------|---------------|-----|----|-------|-------|
| MODIFICATION TITLE (Cont): M240B System Improvements TBD1 | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | | | | | | | 3300 | | 5000 | | | | | | | | | | 8300 | |
| Installation Kits | | | | | | | | 0.276 | | | | | | | | | | | | 0.693 |
| Installation Kits, Nonrecurring | | | | | | | | | 0.417 | | | | | | | | | | | |
| Hardware | | | | | | | | 0.050 | | | | | | | | | | | | 0.125 |
| Equipment, Nonrecurring | | | | | | | | | 0.075 | | | | | | | | | | | |
| Engineering Support | | | | | | | | | | 0.050 | | | | | | | | | | 0.087 |
| Testing | | | | | | | | 0.037 | | | | | | | | | | | | 0.332 |
| Integrated Logistical Support | | | | | | | | 0.132 | | | | | | | | | | | | |
| Fielding | | | | | | | | | | 0.200 | | | | | | | | | | |
| Support Equipment | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 1999 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | 2400 | | | | | | | | | | 3300 | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | 5000 | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | | | | | | | | 2400 | 0.7 | 3600 | | 2300 | | | | | | 8300 | 1.2 |
| Total Procurement Cost | | | | | | | | 0.5 | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | |
|---|--|---------|---|---------|----------|---------|---|---------|---|----------------------|---|---|---|---------------|---------------|--|--|--|--|
| Date | | | | | | | | | | | | | | February 2000 | | | | | |
| MODIFICATION TITLE: Improved Tripod TBD2 | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: ARMOR MACHINE GUN, 7.62MM M240 SERIES (G13000) | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: The Light Weight Tripod will reduce the weight by approximately 50 percent of the current tripod. It will incorporate a modern traverse and elevating mechanism that will maintain predetermined elevation throughout the full range of weapon traverse, as well as have a series of index marks that enable gunners to construct a range data card. | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | Planned | | | | | ACTUAL | | | | |
| Development/Operational Tests | | | | | | | | | | 3Q03 | | | | | | | | | |
| Type Classification (LRP) | | | | | | | | | | 4Q03 | | | | | | | | | |
| Production Contract Award | | | | | | | | | | 2Q04 | | | | | | | | | |
| First Production Hardware Delivered | | | | | | | | | | 4Q04 | | | | | | | | | |
| First Unit Equipped | | | | | | | | | | 1Q05 | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: | | | | | | | | | | | | | | | | | | | |
| Contract Dates: | | | | | FY 1999 | | | | | FY 2000 | | | | | | | | | |
| Delivery Date: | | | | | FY 1999 | | | | | FY 2000 | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: | | | | | 9 Months | | | | | PRODUCTION LEADTIME: | | | | | | | | | |
| FY 2000 | | | | | FY 2001 | | | | | 9 Months | | | | | | | | | |
| FY 2000 | | | | | FY 2001 | | | | | FY 2001 | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|---|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|--|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKO CMBT VEHs / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | | HOWITZER, TOWED, 155MM, M198 (MODS) (GA0430) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 3.5 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 3.5 | 2.8 | | | | 0.0 | 9.6 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 3.5 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |
| DESCRIPTION: Howitzer Improvement Program and Enhancement (HIPE) for the 155MM, M198, Medium Towed Howitzer | | | | | | | | | | | | | |
| JUSTIFICATION: FY01 funding is required to meet two of the major thrusts for ForceXXI and for Army After Next (AAN) to modernize and digitize current weapon systems. The M198 Howitzer must be modernized in order to perform it's mission of general support for the light division. The modifications applied with this funding fulfill this requirement. The HIPE will greatly enhance the mobility, survivability, and responsiveness of the M198. These modifications will ensure that the M198 will continue to be a force multiplier today and in the future. | | | | | | | | | | | | | |

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | | Date | February 2000 |
|--|----------------|--|--------------------------------|---------|---------|---------|---------|---------|---------|-----|-------|------|---------------|
| Appropriation / Budget Activity/Serial No. | | P-1 Item Nomenclature | | | | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | HOWITZER, TOWED, 155MM, M198 (MODS) (GA0430) | | | | | | | | | | | |
| Program Elements for Code B Items | | Code | Other Related Program Elements | | | | | | | | | | |
| Description | | Fiscal Years | | | | | | | | | | | |
| OSIP NO. | Classification | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total | | |
| TBD1 | | | | | | | | | | | | | |
| Block1 Upgrade | Operational | 0.0 | 0.0 | 3.3 | 3.5 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 | | |
| Totals | | 0.0 | 0.0 | 3.3 | 3.5 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | Date | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|--------------|------------------------|--------------|---------|---|---|---|---------|---|---|---|---------|---|------|---------------|----------|---------|--------------|---------|--------------|---------------------------|--|--|------------------------|---------|-------------------|--|------|-----------------------|--|-------------------|------|---------|--|---|-----------------------------|------|---|---|---|-------------------------------------|------|---|---|---|---|------|---|---|---|----------|--------|--------|---|---|---|--------|---|--|--|--|--|--|--|--|---|--|--|--|---|--|---------|--|---|--|--|--|--------|--|--|--|--|--|--|--|--|-----|--|--|--|--------|---|--|--|----|---|--|--|---------|---|--|--|--|---|--|--|--|----|---|--|--|----|--|--|--|----|--|--|--|
| MODIFICATION TITLE: M198 HIPE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M198, 155MM Towed Howitzer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <p>This block will add: (1) Hydraulic Power Assist Kit (Hypak) which will significantly reduce soldier workload and response time; (2) pre-modification depot maintenance.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"></td> <td style="width: 33%; text-align: center;">Planned</td> <td style="width: 33%; text-align: center;">Accomplished</td> <td style="width: 33%; text-align: center;">Planned</td> <td style="width: 33%; text-align: center;">Accomplished</td> </tr> <tr> <td>Material Change Initiated</td> <td></td> <td></td> <td>First Kit Applied 1Q01</td> <td></td> </tr> <tr> <td>Testing Initiated</td> <td></td> <td>2Q98</td> <td>Last Kit Applied 4Q02</td> <td></td> </tr> <tr> <td>Testing Completed</td> <td>2Q99</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Production Contract Awarded</td> <td>4Q99</td> <td></td> <td></td> <td></td> </tr> <tr> <td>First Production Hardware Delivered</td> <td>2Q00</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>1Q01</td> <td></td> <td></td> <td></td> </tr> </table> | | | | | | | | | | | | | | | | | | Planned | Accomplished | Planned | Accomplished | Material Change Initiated | | | First Kit Applied 1Q01 | | Testing Initiated | | 2Q98 | Last Kit Applied 4Q02 | | Testing Completed | 2Q99 | | | | Production Contract Awarded | 4Q99 | | | | First Production Hardware Delivered | 2Q00 | | | | | 1Q01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Planned | Accomplished | Planned | Accomplished | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Material Change Initiated | | | First Kit Applied 1Q01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Testing Initiated | | 2Q98 | Last Kit Applied 4Q02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Testing Completed | 2Q99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Production Contract Awarded | 4Q99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| First Production Hardware Delivered | 2Q00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1Q01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> <th>1</th><th>2</th><th>3</th><th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>1</td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>1</td><td></td><td></td><td></td> <td>1</td><td></td><td></td><td></td> <td>1</td><td></td><td></td><td></td> </tr> <tr> <td>Inputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>150</td><td></td><td></td><td></td> <td>150</td><td></td><td></td><td></td> <td>38</td><td></td><td></td><td></td> </tr> <tr> <td>Outputs</td> <td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td> <td>38</td><td></td><td></td><td></td> <td>37</td><td></td><td></td><td></td> <td>37</td><td></td><td></td><td></td> </tr> </tbody> </table> | | | | | | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 1 | | | | | | | | 1 | | | | 1 | | | | 1 | | | | Inputs | | | | | | | | | 150 | | | | 150 | | | | 38 | | | | Outputs | | | | | | | | | 38 | | | | 37 | | | | 37 | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | | | | | | | | 1 | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | 150 | | | | 150 | | | | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | 38 | | | | 37 | | | | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Pr Yr | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 1 | | | | 1 | | | | 1 | | | | 1 | | | | 4 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Contractor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 Jan 00 FY 2000 Jan 01 FY 2001 Jan 01 FY 2002 Jan 01 FY 2003 Jan 01 FY 2004 Jan 01 FY 2005 Jan 01 FY 2006 Jan 01 FY 2007 Jan 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 Nov 00 FY 2000 Nov 00 FY 2001 Nov 01 FY 2002 Nov 01 FY 2003 Nov 01 FY 2004 Nov 01 FY 2005 Nov 01 FY 2006 Nov 01 FY 2007 Nov 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | | | Date | February 2000 | |
|--|----------------|-----------------------------|---------|--------------------------------|---------|---------|---------|---------|---------|-----|-------|------|---------------|--|
| Appropriation / Budget Activity/Serial No. | | P-1 Item Nomenclature | | | | | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | M115 MODIFICATIONS (GC0401) | | | | | | | | | | | | |
| Program Elements for Code B Items | | Code | | Other Related Program Elements | | | | | | | | | | |
| Description | | Fiscal Years | | | | | | | | | | | | |
| OSIP NO. | Classification | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total | | | |
| TBD1 | | | | | | | | | | | | | | |
| Block1 Upgrade | Operational | 4.8 | 4.2 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.2 | | |
| TBD2 | | | | | | | | | | | | | | |
| Block2 Upgrade | Operational | 0.0 | 0.6 | 2.5 | 4.7 | 4.9 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 17.5 | | |
| Totals | | 4.8 | 4.8 | 4.8 | 4.7 | 4.9 | 4.8 | 0.0 | 0.0 | 0.0 | 0.0 | 28.7 | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|----|--------------|------|---------|----|--------------|------|---------|------|---------------|-------|---------|---|--------------|---|-------------|-----|--------------|---|---------|--|--|--|---------|--|--|--|---------|-------------------------------|---|---|---|------|---|---|---|------|------------------------|---|---|---|------|---|---|---|-------------|-------------------------------|--------|---|---|------|--------|----|----|------|--------------------------------------|----|----|----|------|--|--|--|------|--------------------------------------|-----|---------|--|------|--|--|--|--------|----|----|----|----|----|----|----|----|--|--|--|-----|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| MODIFICATION TITLE: TBD1 Block1 Upgrade | | | | | | | | | | Date | February 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: Howitzer, Light Towed, 105mm M119A1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: Retrofit Low Temp Recuperator 1-90-05-7875: the seals function only to temperature of -25F not the -50F. Improve Indirect Fire control; Upgrade M187 1-94-05-7911; The M119A1 indirect fire control system fails approximately 14 times more often than other hardware fire control systems when Operational Mode Profile (OMP) is factored in. Upgrade Cam Follower Arm: preventing damage to the cam follower will improve reliability, availability and maintainability while reducing Operating and Support costs (OSCR). Improve Firing Stays: the design and mounting clearances for the clevis pins on the rear firing stays of the firing platform make it very difficult to attach the stays to the trail during emplacement. Improve Traveling Stays: the design and mounting clearances for the clevis pins on the traveling stays make it very difficult to attach the stays to the trail when preparing for towing. Modify Brake System: the new modified brake system is of commercial design which provides better brakes and has lower spares costs. Add Trail Lifting Handles: due to limited clearance, the user has requested trail lifting handles be designed. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Planned | | Accomplished | | Planned | | Accomplished | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Validate Materiel change (MC) | | | | 3Q90 | | | | 1Q99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Critical Design Review | | | | 3Q91 | | | | 1Q99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Complete Testing of Prototype | | | | 3Q92 | | | | 4Q00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Release Technical Data Package (TDP) | | | | 1Q93 | | | | 4Q00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Award Contract for Modification Kits | | | | 2Q98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Schedule: <table border="1"> <thead> <tr> <th rowspan="2">Pr Yr</th> <th colspan="4">FY 1999</th> <th colspan="4">FY 2000</th> <th colspan="4">FY 2001</th> <th colspan="4">FY 2002</th> <th colspan="4">FY 2003</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> </tr> </thead> <tbody> <tr> <td>Totals</td> <td>46</td> <td>76</td> <td>63</td> <td>38</td> <td>46</td> <td>58</td> <td>43</td> <td>36</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Inputs</td> <td>46</td> <td>76</td> <td>63</td> <td>38</td> <td>46</td> <td>58</td> <td>43</td> <td>36</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Outputs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Totals | 46 | 76 | 63 | 38 | 46 | 58 | 43 | 36 | | | | | | | | | | | | | Inputs | 46 | 76 | 63 | 38 | 46 | 58 | 43 | 36 | | | | | | | | | | | | | Outputs | | | | | | | | | | | | | | | | | | | | |
| Pr Yr | FY 1999 | | | | FY 2000 | | | | FY 2001 | | | | FY 2002 | | | | FY 2003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals | 46 | 76 | 63 | 38 | 46 | 58 | 43 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | 46 | 76 | 63 | 38 | 46 | 58 | 43 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">FY 2004</th> <th colspan="4">FY 2005</th> <th colspan="4">FY 2006</th> <th colspan="4">FY 2007</th> <th colspan="2">Totals</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>To Complete</th> <th></th> </tr> </thead> <tbody> <tr> <td>Inputs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>406</td> </tr> <tr> <td>Outputs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>406</td> </tr> </tbody> </table> | | | | | | | | | | | | | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | To Complete | | Inputs | | | | | | | | | | | | | | | | | | 406 | Outputs | | | | | | | | | | | | | | | | | | 406 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FY 2004 | | | | FY 2005 | | | | FY 2006 | | | | FY 2007 | | | | Totals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | To Complete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inputs | | | | | | | | | | | | | | | | | | 406 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | 406 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Unit Application Contract Dates: FY 1999 Multiple Delivery Date: FY 1999 Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: 4 Months FY 2000 Multiple FY 2000 Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRODUCTION LEADTIME: 6 Months FY 2001 Multiple FY 2001 Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | February 2000 | | | | | | |
|---|-------------------|-------|---------|-------|---------|-------|---------|----|---------|----|---------|----|---------|---------------|---------|----|-----|----|-------|--------|
| TBD1 Block1 Upgrade | | | | | | | | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | |
| | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ |
| RDT&E | | | | | | | | | | | | | | | | | | | | |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Kit Quantity | 110 | | 125 | | 171 | | | | | | | | | | | | | | 406 | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring Equipment | | 4.337 | | 3.666 | | 1.656 | | | | | | | | | | | | | | 9.659 |
| Equipment, Nonrecurring | | 0.026 | | | | | | | | | | | | | | | | | | 0.026 |
| Engineering Change Orders | | 0.032 | | 0.025 | | 0.025 | | | | | | | | | | | | | | 0.082 |
| Data | | 0.162 | | 0.225 | | 0.235 | | | | | | | | | | | | | | 0.622 |
| Training Equipment | | | | | | | | | | | | | | | | | | | | |
| Support Equipment | | 0.167 | | | | | | | | | | | | | | | | | | 0.167 |
| Other | | | | | | | | | | | | | | | | | | | | 0.131 |
| Contractor Support | | | | 0.051 | | 0.080 | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 38 | 0.040 | 72 | 0.080 | | | | | | | | | | | | | | | 110 | 0.120 |
| FY 1999 Eqpt -- Kits | | | 113 | 0.125 | | | | | | | | | | | | | | | 125 | 0.145 |
| FY 2000 Eqpt -- Kits | | | | | 12 | 0.020 | | | | | | | | | | | | | 171 | 0.247 |
| FY 2001 Eqpt -- Kits | | | | | 171 | 0.247 | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | 38 | 0.040 | 185 | 0.205 | 183 | 0.267 | | | | | | | | | | | | | 406 | 0.512 |
| Total Procurement Cost | | 4.764 | | 4.172 | | 2.263 | | | | | | | | | | | | | | 11.199 |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|---------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKO CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | | M16 RIFLE MODS (GZ2800) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 33.6 | 4.9 | 4.5 | 5.2 | 7.1 | 9.6 | 2.1 | 0.0 | 2.4 | 2.4 | 0.0 | 71.9 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 33.6 | 4.9 | 4.5 | 5.2 | 7.1 | 9.6 | 2.1 | 0.0 | 2.4 | 2.4 | 0.0 | 71.9 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 33.6 | 4.9 | 4.5 | 5.2 | 7.1 | 9.6 | 2.1 | 0.0 | 2.4 | 2.4 | 0.0 | 71.9 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |

DESCRIPTION: The M16 family of rifles is a gas operated, magazine fed and shoulder fired weapon. They are fed by 30 round magazines. The M16 Rifle Modifications Program provides a close combat optic, a modular weapon system suite: which includes a rail system, a top carry sling and a permanently affixed, rear aperture, back-up iron sight for the M16A4 Rifle. The modular weapon allows the custom configuration of the M16 rifles with accessories and smaller items. i.e. optics, night sights, laser pointers, based on mission requirements.

JUSTIFICATION: The close combat optic allows the soldier to fire a weapon with both eyes open allowing greater awareness of events happening in close proximity and improves hit probability in daylight, low light level, wet weather and other adverse conditions. The modular weapon system is a key component of Land Warrior Lethality and allows the combat commander to custom configure weapons with accessories (i.e. day/night sights, laser pointers, ancillary weapons, etc.) based upon the mission. The top carry sling maintains the rifle in an upright position freeing the user's hands for other tasks. The permanent back-up, rear aperture, iron sight provides that capability in the event it becomes immediately necessary.

| Exhibit P-40M Budget Item Justification Sheet | | | | | | | | | | Date | February 2000 |
|--|----------------|-----------------------|---------|--------------------------------|---------|---------|---------|---------|---------|------|---------------|
| Appropriation / Budget Activity/Serial No. | | P-1 Item Nomenclature | | M16 RIFLE MODS (GZ2800) | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | |
| Program Elements for Code B Items | | Code | | Other Related Program Elements | | | | | | | |
| Description | | Fiscal Years | | | | | | | | | |
| OSIP NO. | Classification | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | TC | Total |
| Modular Weapon System M16/M203 | | | | | | | | | | | |
| TBD1 | Operational | 4.3 | 3.5 | 7.2 | 9.6 | 2.1 | 0.0 | 2.4 | 2.4 | 0.0 | 31.5 |
| Close Combat Optic M16 | | | | | | | | | | | |
| TBD2 | Operational | 7.9 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.6 |
| Totals | | | | | | | | | | | |
| | | 12.2 | 5.2 | 7.2 | 9.6 | 2.1 | 0.0 | 2.4 | 2.4 | 0.0 | 41.1 |

* The Prior Year Total on the P-40 includes \$30.9 of programs no longer on this line plus \$12.2M of programs presently being executed, while the FY 1998 Total on the P40M (\$12.2M) only addresses the later.

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | |
|--|---------|---------|---|---------|---|---------|---|---------|---|---------|---|---|----------|------|---------------|
| | | | | | | | | | | | | | | Date | February 2000 |
| MODIFICATION TITLE: Modular Weapon System M16/M203 TBD1 | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: Rifle, 5.56mm M16A2 | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: <div style="text-align: center;"> The modular weapon is a system of mounting rails/methods that allows the custom configuration of M16 Rifles with accessories and ancillary items such as optics, night sights, IR aiming light, the grenade launcher, back-up sights, etc., based upon mission requirements in the field, without tools. </div> | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Developmental/Operational Tests Milestone III Production Decision Production Contract Award First Production Hardware Delivered First Unit Equipped </div> <div style="width: 45%; text-align: center;"> PLANNED 3Q95-2Q96 3Q97 4Q97 4Q98 2Q99 </div> </div> | | | | | | | | | | | | | | | |
| Installation Schedule: | | | | | | | | | | | | | | | |
| Inputs Outputs | Pr Yr | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | |
| | Totals | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | | |
| Inputs Outputs | FY 2004 | FY 2005 | | FY 2006 | | FY 2007 | | To | | | | | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | Complete | | |
| METHOD OF IMPLEMENTATION: Field Application ADMINISTRATIVE LEADTIME: 6 Months PRODUCTION LEADTIME: 12 Months | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 Jul 99 FY 2000 Jan 00 FY 2001 Jan 01 | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 Jan 00 FY 2000 Dec 00 FY 2001 Dec 01 | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | Date | | February 2000 | | | | | |
|----------------------------------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|---------|----|------|-------------------------------------|--------|---------------|--|--|--|--|--|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | Modular Weapon System M16/M203 TBD1 | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1998 and Prior | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | FY 2004 | | FY 2005 | | TC | | TOTAL | | | | | | |
| Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | Qty | \$ | | | | | |
| 1.158 | | | | | | | | | | | | | | | | | | 1.158 | | | | | | |
| 4903 | | 6000 | | 12000 | | 17800 | | 1200 | | | | 4910 | | 4910 | | | | 51723 | | | | | | |
| RDT&E | | 3.676 | | 6.832 | | 9.230 | | 1.850 | | | | 2.200 | | 2.200 | | | | 29.167 | | | | | | |
| PROCUREMENT | | 0.402 | | 0.150 | | 0.150 | | 0.137 | | | | 0.117 | | 0.111 | | | | 1.314 | | | | | | |
| Quantity (Rail Systems) | | 0.055 | | 0.025 | | 0.060 | | 0.050 | | | | 0.050 | | 0.050 | | | | 0.055 | | | | | | |
| Installation Kits | | 0.065 | | 0.173 | | 0.152 | | 0.050 | | | | 0.050 | | 0.050 | | | | 0.325 | | | | | | |
| Installation Kits, Nonrecurring | | 0.078 | | | | | | | | | | | | | | | | 0.610 | | | | | | |
| Hardware | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment, Nonrecurring | | | | | | | | | | | | | | | | | | | | | | | | |
| Engineering Support | | | | | | | | | | | | | | | | | | | | | | | | |
| Testing | | | | | | | | | | | | | | | | | | | | | | | | |
| Integrated Logistical Support | | | | | | | | | | | | | | | | | | | | | | | | |
| Fielding | | | | | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | 2500 | | 403 | | | | | | | | | | | | | | 4903 | | | | | | |
| FY 1999 Eqpt -- Kits | | | | 6000 | | | | | | | | | | | | | | 6000 | | | | | | |
| FY 2000 Eqpt -- Kits | | | | | | 10000 | | 2000 | | | | | | | | | | 12000 | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | 15000 | | 2800 | | | | | | | | 17800 | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | 1200 | | | | | | | | 1200 | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | 4910 | | | | 4910 | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | 4910 | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Installment | | 2000 | | 2500 | | 6403 | | 17000 | | 4000 | | | | 4910 | | 4910 | | 51723 | | | | | | |
| Total Procurement Cost | | 4.3 | | 3.5 | | 7.2 | | 9.6 | | 2.1 | | 2.4 | | 2.4 | | | | 31.5 | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | Date | February 2000 | | |
|--|--|---------|---|---------|---|---------|---|---------|---|---------|---|---|---|---|------|---------------|--------|--|
| MODIFICATION TITLE: Close Combat Optic M16 TBD2 | | | | | | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M16A2/A4 Rifle, M68 Sight Reflex | | | | | | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | | | | | | |
| The M68 Sight will be installed on the M16A2/A4 Rifle | | | | | | | | | | | | | | | | | | |
| The Close Combat Optic allows the soldier to fire his weapon with both eyes open allowing greater awareness of events happening in close proximity to the soldier and improves hit probability in daylight, low light level, wet weather and other adverse conditions. | | | | | | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: | | | | | | | | | | PLANNED | | | | | | | ACTUAL | |
| Development/Operational Test | | | | | | | | | | | | | | | | | 1/2Q96 | |
| Type Classification (LRIP) | | | | | | | | | | | | | | | | | 4Q96 | |
| Production Contract Award | | | | | | | | | | | | | | | | | 4Q96 | |
| First Production Hardware Delivered | | | | | | | | | | | | | | | | | 1Q97 | |
| First Unit Equipped | | | | | | | | | | | | | | | | | 2Q98 | |
| Installation Schedule: | | | | | | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | |
| Pr Yr | | FY 2004 | | FY 2005 | | FY 2006 | | FY 2007 | | FY 2008 | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| Inputs | | | | | | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | | | | | | |
| Totals | | | | | | | | | | | | | | | | | | |
| METHOD OF IMPLEMENTATION: Field Application | | | | | | | | | | | | | | | | | | |
| ADMINISTRATIVE LEADTIME: 1 Months | | | | | | | | | | | | | | | | | | |
| PRODUCTION LEADTIME: 10 Months | | | | | | | | | | | | | | | | | | |
| Contract Dates: FY 1999 Jan 99 FY 2000 | | | | | | | | | | | | | | | | | | |
| Delivery Date: FY 1999 Oct 99 FY 2000 | | | | | | | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | | | | | | February 2000 | | |
|----------------------------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|-----------|---------------|--------------|-------------|
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | | | | | | Date | | |
| Close Combat Optic M16 TBD2 | | | | | | | | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | | | | | | | | |
| | FY 1998 Qty | FY 1998 \$ | FY 1999 Qty | FY 1999 \$ | FY 2000 Qty | FY 2000 \$ | FY 2001 Qty | FY 2001 \$ | FY 2002 Qty | FY 2002 \$ | FY 2003 Qty | FY 2003 \$ | FY 2004 Qty | FY 2004 \$ | FY 2005 Qty | FY 2005 \$ | TC Qty | TC \$ | TOTAL Qty | TOTAL \$ |
| RDT&E | | 1.470 | | | | | | | | | | | | | | | | | | 1.470 |
| PROCUREMENT | | | | | | | | | | | | | | | | | | | | |
| Quantity | 36161 | | 7105 | | | | | | | | | | | | | | | | 43266 | |
| Installation Kits | | | | | | | | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | | | | | | | | |
| Hardware | 6.993 | | 1.454 | | | | | | | | | | | | | | | | | 8.447 |
| ECP | 0.026 | | | | | | | | | | | | | | | | | | | 0.026 |
| Engineering Support | 0.721 | | 0.215 | | | | | | | | | | | | | | | | | 0.936 |
| Testing | 0.062 | | | | | | | | | | | | | | | | | | | 0.062 |
| Integrated Logistical Support | 0.070 | | 0.010 | | | | | | | | | | | | | | | | | 0.080 |
| Fielding | 0.070 | | 0.010 | | | | | | | | | | | | | | | | | 0.080 |
| Other | | | | | | | | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | 12601 | | 16949 | | | 6611 | | | | | | | | | | | | | 36161 | |
| FY 1999 Eqpt -- Kits | | | | | | 7105 | | | | | | | | | | | | | 7105 | |
| FY 2000 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2001 Eqpt -- Kits | | | | | | | | | | | | | | | | | | | | |
| FY 2002 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | | | | | | | | |
| TC Equip-Kits | | | | | | | | | | | | | | | | | | | | |
| Total Installment | 12601 | | 16949 | | | 13716 | | | | | | | | | | | | | 43266 | |
| Total Procurement Cost | | 7.9 | | 1.7 | | | | | | | | | | | | | | | 9.6 | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | Date: | February 2000 | |
|---|-------------|---------|---|---------|---------|---------|---------|---------|---------|---------|---------------|------------|
| Appropriation / Budget Activity/Serial No: | | | P-1 Item Nomenclature: | | | | | | | | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | | MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) (GC0925) | | | | | | | | | |
| Program Elements for Code B Items: | | | Other Related Program Elements: | | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | | | | | | | | | | | | |
| Gross Cost | 72.8 | 0.6 | 1.3 | 1.1 | 1.0 | 0.8 | 1.3 | 0.8 | 1.3 | 1.3 | 0.0 | 82.4 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 72.8 | 0.6 | 1.3 | 1.1 | 1.0 | 0.8 | 1.3 | 0.8 | 1.3 | 1.3 | 0.0 | 82.4 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 72.8 | 0.6 | 1.3 | 1.1 | 1.0 | 0.8 | 1.3 | 0.8 | 1.3 | 1.3 | 0.0 | 82.4 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |
| <p>DESCRIPTION: Provides for modification of Weapons and Other Combat Vehicles with a cost less than \$5.0 Million.</p> <p>JUSTIFICATION: Funds identified in FY00/FY01 will provide M145 Machine Gun Optic Sights for the M249, M60 and M240B Machine Guns. The optic sight will allow the soldier to identify and engage targets more effectively than the existing iron sighting system. The optic sight also provides the soldier with a greater hit probability.</p> | | | | | | | | | | | | |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | Date | February 2000 |
|---|--|---------|---|---------|---|---------|---|---------|---|---------|---|---------|---------------|
| MODIFICATION TITLE: Machine Gun Optics TBD1 | | | | | | | | | | | | | |
| MODELS OF SYSTEMS AFFECTED: M249 Squad Automatic Weapon; M60 Machine Guns, M240B Machine Guns | | | | | | | | | | | | | |
| DESCRIPTION / JUSTIFICATION: | | | | | | | | | | | | | |
| <p>The M145 Machine Gun Optic Program provides a 3.4x, laser hardened telescopic sight for the 5.56mm M249 Light Machine Gun, the M60 and 7.62mm M240B Medium Machine Guns. The optic sight will allow the soldier to identify and engage targets at longer ranges and at lower light levels more effectively than the existing iron sighting system. The optic sight also provides the soldier with a greater hit probability.</p> | | | | | | | | | | | | | |
| DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONE | | | | | | | | | | | | PLANNED | ACTUAL |
| Development/Operational Tests | | | | | | | | | | | | 3Q98 | |
| Type Classification (LRP) | | | | | | | | | | | | 4Q98 | |
| Production Contract Award | | | | | | | | | | | | 4Q98 | |
| First Production Hardware Delivered | | | | | | | | | | | | 4Q99 | |
| Type Classification (Standard) | | | | | | | | | | | | 1Q00 | |
| First Unit Equipped | | | | | | | | | | | | 2Q00 | |
| Installation Schedule: | | | | | | | | | | | | | |
| Pr Yr | | FY 1999 | | FY 2000 | | FY 2001 | | FY 2002 | | FY 2003 | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Inputs | | | | | | | | | | | | | |
| Outputs | | | | | | | | | | | | | |
| Totals | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |

| INDIVIDUAL MODIFICATION | | | | | | | | | | | | | |
|----------------------------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|--------------|
| Machine Gun Optics TBD1 | | | | | | | | | | | | | |
| MODIFICATION TITLE (Cont): | | | | | | | | | | | | | |
| FINANCIAL PLAN: (\$ in Millions) | | | | | | | | | | | | | |
| | FY 1998 Qty | FY 1998 \$ | FY 1999 Qty | FY 1999 \$ | FY 2000 Qty | FY 2000 \$ | FY 2001 Qty | FY 2001 \$ | FY 2002 Qty | FY 2002 \$ | FY 2003 Qty | FY 2003 \$ | TOTAL Qty |
| RDTE | 2.127 | | | | | | | | | | | | 2.127 |
| PROCUREMENT | | | | | | | | | | | | | |
| Quantity | 1901 | | 658 | | 1436 | | 1133 | | 2029 | | 1254 | | 12775 |
| Installation Kits | | | | | | | | | | | | | |
| Installation Kits, Nonrecurring | | | | | | | | | | | | | |
| Hardware | | | 0.354 | | 0.773 | | 0.610 | | 1.091 | | 0.674 | | 7.077 |
| Equipment, Nonrecurring | | | 0.455 | | 0.139 | | 0.137 | | 0.122 | | 0.133 | | 1.249 |
| Engineering Support | | | 0.270 | | 0.050 | | 0.020 | | 0.020 | | 0.020 | | 0.354 |
| Testing | | | 0.034 | | 0.020 | | 0.020 | | 0.020 | | 0.020 | | 0.159 |
| Integrated Logistical Support | | | 0.020 | | 0.020 | | 0.020 | | 0.020 | | 0.020 | | 0.150 |
| Fielding | | | 0.020 | | 0.020 | | 0.020 | | 0.020 | | 0.020 | | |
| Other | | | | | | | | | | | | | |
| Interim Contractor Support | | | | | | | | | | | | | |
| Installation of Hardware | | | | | | | | | | | | | |
| FY 1998 & Prior Eqpt -- Kits | | | | | 1901 | | | | | | | | 1901 |
| FY 1999 Eqpt -- Kits | | | | | 658 | | | | | | | | 658 |
| FY 2000 Eqpt -- Kits | | | | | 862 | | | | | | | | 1436 |
| FY 2001 Eqpt -- Kits | | | | | | | 574 | | 453 | | 812 | | 1133 |
| FY 2002 Eqpt -- kits | | | | | | | 680 | | 1217 | | 752 | | 2029 |
| FY 2003 Eqpt -- kits | | | | | | | | | | | | | 1254 |
| FY 2004 Eqpt -- kits | | | | | | | | | | | | | 2182 |
| FY 2005 Eqpt -- kits | | | | | | | | | | | | | 2182 |
| TC Equip-Kits | | | | | | | | | | | | | |
| Total Installment | | | | | 3421 | | 1254 | | 1670 | | 1564 | | 12775 |
| Total Procurement Cost | 1.3 | | 1.1 | | 1.0 | | 0.8 | | 1.3 | | 0.8 | | 9.0 |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | Date: | February 2000 | |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---|---------------|------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | P-1 Item Nomenclature: | | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200) | | |
| Program Elements for Code B Items: | | | | | | | | | | Other Related Program Elements: | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | | | | | | | | | | | | |
| Gross Cost | 64.3 | 0.9 | 1.3 | 1.2 | 1.2 | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 75.3 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 64.3 | 0.9 | 1.3 | 1.2 | 1.2 | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 75.3 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 64.3 | 0.9 | 1.3 | 1.2 | 1.2 | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 75.3 |
| Flyaway U/C | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | |

DESCRIPTION: Provides for procurement and assembly of tool/shop sets, small arms, and gun mounts. The items are needed by maintenance personnel to maintain weapons and combat vehicles, and by Active Army, National Guard, Reserve and ROTC units to perform combat and training missions. The tool/shop equipment has multi-applications and is essential to all levels of weapon and combat vehicle maintenance.

JUSTIFICATION: Required to achieve and sustain required levels of readiness to units providing maintenance support to all small arms (M16,9mm Pistol, 7.62 Machine Gun, etc.), artillery (M102,M119,M198 Howitzers, etc.), air defense (Vulcan, PIVAD, etc.) special weapons, and fire control (Tanks, etc.) organizations. Small Arms weapons are required to support AAO shortages, field replacements and training requirements.

| Exhibit P-5, Weapon WTCV Cost Analysis | | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat | | | | P-1 Line Item Nomenclature: ITEMS LESS THAN \$5.0M (WOCV-WTCV) (GL3200) | | | | Weapon System Type: | | Date: February 2000 | |
|--|----|------|---|-------------|-------------------|--------------------|---|-------------------|--------------------|-------------|---------------------|--------------------|------------------------|-------------------|
| Cost Elements | | | FY 98 | | FY 99 | | FY 00 | | FY 01 | | | | | |
| ID | CD | | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 |
| 1. Shot Gun, 12 Guage | A | G124 | | | | 104 | 400 | 0.260 | 100 | 400 | 0.250 | | | |
| 2. Shop Equip, Small Arms Repair, Shelter Mtd 4940-00-209-6236 | A | G337 | | | | 80 | 2 | 40 | | | | | | |
| 3. Tool Set, Instrument and Fire Control FM 4931-00-754-0740 | A | G371 | | | | | | | 56 | 2 | 28 | 56 | 2 | 28 |
| 4. Shop Set, Small Arms, Field Maint, PCS Set D 4933-00-348-7396 | A | G385 | | | | 184 | 2 | 92 | | | | 150 | 2 | 75 |
| 5. Shop Set, Small Arms FM Basic 4933-00-754-0664 | A | G723 | | | | | | | 19 | 1 | 19 | 38 | 2 | 19 |
| 6. Tool Set Battalion Maint 4940-01-140-2364 | A | G427 | | | | 501 | 63 | 8 | 532 | 66 | 8 | 456 | 57 | 8 |
| 7. Tool Kit, Electronic Sys Maint 5180-01-168-0487 | A | S380 | | | | 302 | 28 | 11 | 465 | 78 | 6 | 457 | 76 | 6 |
| 8. Shop Set, Small Arms, FM Basic 4933-00-754-0664 | A | | | | | 25 | 1 | 25 | | | | | | |
| 9. Engineering Support for GL3200 budget line | | | | | | | | | 29 | 1 | 29 | 25 | 1 | 25 |
| TOTAL | | | | | | 1196 | | | 1201 | | | 1182 | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHs / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | PRODUCTION BASE SUPPORT (WOCV-WTCV) (GC0050) | |
| Program Elements for Code B Items: | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog |
| Proc Qty | | | | | | | | | | | | |
| Gross Cost | 739.7 | 4.9 | 6.1 | 5.1 | 4.5 | 5.2 | 5.4 | 4.8 | 5.5 | 5.7 | 0.0 | 786.9 |
| Less PY Adv Proc | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | |
| Net Proc (P-1) | 739.7 | 4.9 | 6.1 | 5.1 | 4.5 | 5.2 | 5.4 | 4.8 | 5.5 | 5.7 | 0.0 | 786.9 |
| Initial Spares | | | | | | | | | | | | |
| Total Proc Cost | 739.7 | 4.9 | 6.1 | 5.1 | 4.5 | 5.2 | 5.4 | 4.8 | 5.5 | 5.7 | 0.0 | 786.9 |
| Flyaway UIC | | | | | | | | | | | | |
| Wpn Sys Proc UIC | | | | | | | | | | | | |

Description: This program provides for Provision of Industrial Facilities (PIF). Funds are used to establish modernize, expand and replace facilities owned by the Army and provide Production Support and Equipment Replacement (PSR) and Modernization (MOD) to Government owned equipment used in production, production testing of Weapons and Tracked Combat Vehicles. Also provides funding for the Layaway of Industrial Facilities (LIF) for preservation of equipment and portions of plants which are no longer required for active production.

Justification: The FY01 request includes essential funding for replacement of equipment & instrumentation in production test facilities at Aberdeen, Yuma Proving Grounds, and White Sands Missile Range (WSMR) and layaway and excess individual items of Industrial Plant Equipment which is excess to production requirements at Rock Island and Watervliet Arsenal. Funds will also be used to provide preservation for Government-owned equipment and real property facilities to allow subsequent cost-effective Operation and Maintenance, Army storage.

| Exhibit P-5, Weapon WTCV Cost Analysis | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat | | P-1 Line Item Nomenclature: PRODUCTION BASE SUPPORT (WOCV- WTCV) (GC0050) | | Weapon System Type: | | Date: February 2000 | | |
|---|----|---|-------------|---|--------------------|---------------------|-------------------|------------------------|-------------|-------------------|
| ID | CD | FY 98 | | FY 99 | | FY 00 | | FY 01 | | |
| | | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 | TotalCost \$000 | Qty Each | UnitCost \$000 |
| Cost Elements | | | | | | | | | | |
| Provides funds to replace, modernize and upgrade equipment and instrumentation used in production testing of Wpns & Trkd Cmbt Vehs. Upgrading will be performed on automotive performance test equipment, vehicle dynamics, high speed imaging, interior exterior ballistics support inst, and toxic fumes instrumentation at Aberdeen Test Center, White Sands Missile Range, and Yuma Proving Ground. | | | | 3451 | | | 2894 | | 3482 | |
| 69X7667 LIF, Rock Isl & Watervliet Arsenal Provides funds for Layaway and Redistribution of Government-Owned equipment and preservation of equipment to include portions of plants which are no longer required for active production, but must be retained for future use. Also provides for plant clearance/preparation of equipment to be excessed. | | | | 1689 | | | 1652 | | 1670 | |
| TOTAL | | | | 5140 | | | 4546 | | 5152 | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|---|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|----------------------------------|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPINS & TRKD CMBT VEHs / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | | INDUSTRIAL PREPAREDNESS (GC0075) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 49.1 | 4.8 | 2.9 | 3.0 | 3.1 | 3.6 | 4.2 | 3.2 | 2.7 | 2.7 | 0.0 | 79.4 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 49.1 | 4.8 | 2.9 | 3.0 | 3.1 | 3.6 | 4.2 | 3.2 | 2.7 | 2.7 | 0.0 | 79.4 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 49.1 | 4.8 | 2.9 | 3.0 | 3.1 | 3.6 | 4.2 | 3.2 | 2.7 | 2.7 | 0.0 | 79.4 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |

DESCRIPTION: This program provides funding to retain, protect, and maintain laidaway reserve industrial plants and equipment. Costs include grounds, utilities, fire and guard protection. Also includes funding for condition assessments of laidaway facilities and costs to rehabilitate equipment to useable condition.

JUSTIFICATION: The FY01 request supports the equipment and facilities at Rock Island Arsenal, Watervliet Arsenal, and Hawthorne Army Depot. It includes the overhead costs attributed to the laidaway portions of the Arsenal. Funds will also be used for the storage and maintenance costs of equipment which has been laidaway for future production.

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|--|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------------|--|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | | | | | | | | | | | SMALL ARMS (SOLDIER ENH PROG) (GC0076) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 2.4 | 5.2 | 4.5 | 2.4 | 5.1 | 3.5 | 0.3 | 2.0 | 2.4 | 1.9 | 0.0 | 29.7 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 2.4 | 5.2 | 4.5 | 2.4 | 5.1 | 3.5 | 0.3 | 2.0 | 2.4 | 1.9 | 0.0 | 29.7 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 2.4 | 5.2 | 4.5 | 2.4 | 5.1 | 3.5 | 0.3 | 2.0 | 2.4 | 1.9 | 0.0 | 29.7 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |

DESCRIPTION: This program provides small arms equipment for the soldier. Funding identified in FY00/FY01 will provide the soldiers with the following; a Dual Mount that can be used in both the vehicular (Armament HMMWV) and ground mount application for the MK19 Grenade Machine Gun (GMC) and M2 Heavy Barrel MG; an M197 HMMWV Mount (consisting of a pintle adapter, pintle, and travel lock) which provides the capability to mount either the 7.62mm M240B or the 5.56mm M249MG on the existing weapon station of the Armament HMMWV; an M203 Enhanced Fire Control Device which provides a reliable, man-portable interface/platform capable of allowing the soldier to utilize the weapon system to achieve significantly increased first round probability of hit on point and area targets at the maximum effective range of the system; a Sniper Accessory Kit that will contain a hand held wind meter, a low profile bipod, a polarized filter for a day scope, a compact cleaning kit and an adjustable cheek piece to steady the soldiers aim (all are available as non-developmental items); the Fire Support Team Vehicle (FISTV) and the Improved TOW Vehicle (ITV) are currently equipped with a weapon mount which accepts the M60 MG (which is being replaced by the M249 MG which does not fit into the existing FISTV/ITV weapon mount). The M249 Mounting Kit for the FISTV/ITV will provide an expedient method to convert the existing weapon mount to accept the M249 MG.

JUSTIFICATION: The Dual Mount will be fielded to scout platoons enabling them to install or switch weapons quickly in the event one vehicle goes down. Quantities have been increased to allow fielding to Infantry Anti-Armor and Military Police units. The system corrects the shortcomings of the current MK64 system allowing for bold and accurate traverse and elevation, further range (elevation) for the MK19, recoil attenuation of the M2 MG and capability for range card preparation. The M197 HMMWV Mount allows quick mounting of either the M240B or the M249 MG without tools and permits improved operator control of the weapon in both traverse and elevation. The M203 Fire Control Device will make the M203 weapon system quicker and more accurate to use, save ammunition and subject the user to less counterfire. The Soldier Enhancement program (SEP) was established by Congress to provide essential equipment for the individual soldier such as the Sniper Accessory Kit. Tasks under SEP are accomplished in an expedient manner. The M249 Mounting Kit for the FISTV/ITV enables the existing weapon mount to readily accept the M249MG to replace the M60 MG.

| Exhibit P-5, Weapon WTCV Cost Analysis | | | Appropriation/ Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat | | | P-1 Line Item Nomenclature: SMALL ARMS (SOLDIER ENH PROG) (GC0076) | | | Weapon System Type: | | | Date: February 2000 | | |
|---|----|----|---|------|----------|--|------|----------|---------------------|------|----------|------------------------|------|----------|
| Cost Elements | | | FY 98 | | | FY 99 | | | FY 00 | | | FY 01 | | |
| | | | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost | TotalCost | Qty | UnitCost |
| | ID | CD | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 | \$000 | Each | \$000 |
| 1. Hardware | | | | | | | | | | | | | | |
| MK93 MOD 1 Dual Mount | A | | | | | 15 | 19 | 1 | 127 | 163 | 1 | | | |
| HMMWV Mount M998 (Quantity) | A | | | | | 202 | 180 | 1 | 754 | 500 | 2 | | | |
| HMMWV Mount M1025/1026 (Quantity) | A | | | | | 1170 | 3130 | | 1275 | 2230 | 1 | | | |
| Dismount Kits | A | | | | | | | | | | | | | |
| M203/M4 Fire Control | | | | | | | | | | | | | | |
| Sniper Accessory Kit | | | | | | | | | | | | 2343 | 2343 | 1 |
| FISTV / ITV Mount | | | | | | | | | 830 | 2000 | | 531 | 1062 | 1 |
| 2. ESIP | | | | | | | | | | | | | | |
| Dual Mount | | | | | | 60 | | | 473 | | | | | |
| HMMWV M249 Mount | | | | | | 125 | | | 275 | | | | | |
| M203/M4 Fire Control | | | | | | | | | | | | 125 | | |
| Sniper Accessory Kit | | | | | | | | | 175 | | | 175 | | |
| FISTV / ITV Mount | | | | | | | | | | | | | | |
| 3. Testing | | | | | | | | | 205 | | | | | |
| M203/M4 Fire Control | | | | | | | | | | | | | | |
| FISTV / ITV Mount | | | | | | | | | | | | | | |
| 4. Integrated Logistics Support | | | | | | | | | | | | | | |
| Dual Mount | | | | | | 40 | | | 150 | | | | | |
| HMMWV M249 Mount | | | | | | 150 | | | 150 | | | | | |
| M203/M4 Fire Control | | | | | | | | | | | | 25 | | |
| Sniper Accessory Kit | | | | | | | | | 40 | | | 90 | | |
| FISTV / ITV Mount | | | | | | | | | | | | | | |
| 5. Fielding | | | | | | | | | | | | | | |
| Dual Mount | | | | | | | | | 150 | | | | | |
| HMMWV M249 Mount | | | | | | 121 | | | 225 | | | | | |
| M203/M4 Fire Control | | | | | | | | | | | | 15 | | |
| Sniper Accessory Kit | | | | | | | | | 30 | | | 54 | | |
| FISTV / ITV Mount | | | | | | | | | | | | | | |
| 6. PM-SA Support | | | | | | | | | | | | 148 | | |
| (Previously funded under OMA) | | | | | | 482 | | | 274 | | | | | |
| TOTAL | | | | | | 2365 | | | 5133 | | | 3506 | | |

| Exhibit P-5a, Budget Procurement History and Planning | | | | | | | | | |
|---|--|----------------------------|-------------------|---|------------------------|-------------|-----------------|------------------|----------------|
| Appropriation / Budget Activity/Serial No: PROCUREMENT OF WPNS & TRKD CMBT VEHS / 2 / Weapons and Other Combat Vehicles | | Weapon System Type: | | P-1 Line Item Nomenclature: SMALL ARMS (SOLDIER ENH PROG) (GC0076) | | | | | |
| WBS Cost Elements: Fiscal Years | Contractor and Location | Contract Method and Type | Location of PCO | Award Date | Date of First Delivery | QTY Each | Unit Cost \$000 | Specs Avail Now? | RFP Issue Date |
| HMMWV Mount / FY99 M6 Pedestal M197 Mount | Ramo Manufacture Inc., Nashville, TN Ma-Tech Inc, Hebron, Va | C/FFP (Option) SS/8A | ARDEC TACOM-RI | Jul-99 Mar-00 | Mar-00 Oct-00 | 180 3130 | 1 | | |
| HMMWV Mount / FY00 M6 Pedestal M197 Mount | TBS TBS | C/FFP C/FFP | ARDEC TACOM-RI | Jul-00 Jun-00 | Mar-01 Mar-01 | 500 2230 | 2 | | Mar 00 |
| Dismount Kits/FY98 | FNMI, Columbia, SC | SS/FFP | TACOM-RI | Sep-98 | Jul-99 | 2000 | 1 | | |
| Dual Mount / FY98 | TBS | C/FFP | TACOM-RI | Mar-00 | Dec-00 | 1240 | 1 | | |
| Dual Mount / FY99 | TBS | C/FFP | TACOM-RI | Mar-00 | Mar-01 | 19 | 1 | | |
| Dual Mount / FY00 | TBS | C/FFP | TACOM-RI | | | 163 | 1 | | |
| M203/M4 Fire Control / FY01 | TBS | C/FFP | ARDEC | Jan-01 | Dec-01 | 2343 | 1 | | Oct 00 |
| Sniper Accessory Kit / FY01 | TBS | C/FFP | ARDEC | May-01 | Oct-01 | 1062 | 1 | | Jun 00 |
| FISTV/ITV Mount / FY00 | TBS | C/FFP | ARDEC | Jun-00 | Jan-00 | 2000 | | | Mar 00 |
| REMARKS: | | | | | | | | | |

| Exhibit P-40, Budget Item Justification Sheet | | | | | | | | | | | | Date: | February 2000 |
|---|-------------|-------------|-------------|-------------|---------|---------|---------|---------|---------|---------|-------------|---|---------------|
| Appropriation / Budget Activity/Serial No: | | | | | | | | | | | | P-1 Item Nomenclature: | |
| PROCUREMENT OF WPNS & TRKD CMBT VEHS / 3 / Spares and Repair Parts | | | | | | | | | | | | SPARES AND REPAIR PARTS (WTCV) (GE0150) | |
| Program Elements for Code B Items: | | | | | | | | | | | | Other Related Program Elements: | |
| Code: | | | | | | | | | | | | | |
| | Prior Years | FY 1997 | FY 1998 | FY 1999 | FY 2000 | FY 2001 | FY 2002 | FY 2003 | FY 2004 | FY 2005 | To Complete | Total Prog | |
| Proc Qty | | | | | | | | | | | | | |
| Gross Cost | 25.6 | 20.2 | 16.1 | 20.1 | 22.7 | 29.1 | 36.9 | 36.0 | 33.4 | 33.4 | 243.6 | 517.1 | |
| Less PY Adv Proc | | | | | | | | | | | | | |
| Plus CY Adv Proc | | | | | | | | | | | | | |
| Net Proc (P-1) | 25.6 | 20.2 | 16.1 | 20.1 | 22.7 | 29.1 | 36.9 | 36.0 | 33.4 | 33.4 | 243.6 | 517.1 | |
| Initial Spares | | | | | | | | | | | | | |
| Total Proc Cost | 25.6 | 20.2 | 16.1 | 20.1 | 22.7 | 29.1 | 36.9 | 36.0 | 33.4 | 33.4 | 243.6 | 517.1 | |
| Flyaway U/C | | | | | | | | | | | | | |
| Wpn Sys Proc U/C | | | | | | | | | | | | | |
| DESCRIPTION: Provides for procurement of spares to support initial fielding of new or modified end items. | | | | | | | | | | | | | |
| JUSTIFICATION: The funds in this account procure depot level reparable (DLR) secondary items from the Supply Management, Army activity of the Army Working Capital Fund. To provide initial support, funds are normally required in the same year that end items are fielded. Initial spares breakout: | | | | | | | | | | | | | |
| | | FY99 | FY00 | FY01 | | | | | | | | | |
| BFVS | | 7.1 | 9.1 | 11.5 | | | | | | | | | |
| M88A1E1 (Hercules) | | 0 | 0 | 2.8 | | | | | | | | | |
| HAB (Wolverine) | | 0.9 | 1.3 | 0 | | | | | | | | | |
| ABRAMS Upgrade | | 9.7 | 9.7 | 14.8 | | | | | | | | | |
| Cmd & Ctrl Veh (C2V) | | 2.4 | 2.6 | 0 | | | | | | | | | |
| TOTAL | | 20.1 | 22.7 | 29.1 | | | | | | | | | |